



**SOUTHWEST**  
**TECH**

# COURSE CATALOG

2020- 2021

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# Ready to Build Your Future?

High school graduation may seem far away, but four years is not as long as you might think. The choices you make in high school will impact your future opportunities. Southwest Tech will teach you the tools you need to succeed.

Southwest Tech offers programs in a variety of advanced career & technical areas. While students are enrolled, they will get the opportunity to prepare for college, further their technical training or develop skills that provide a strong foundation for entry into the workforce. For students not certain of their career & educational goals, programs can provide opportunities to try out areas of study. The full-year Southwest Tech programs are designed for high school juniors & seniors. Freshman & sophomore students are encouraged to enroll in introductory short block classes to explore possible career interest. These classes provide ways for students to explore possible career interests.

If you want to know more about Southwest Tech contact Lisa Harrington-Redding, School Counseling Coordinator at: 802- 447-0220, ext.4943 or lharrington@svcdc.org

## Southwest Tech FAQ's

### **WhocantakecoursesSouthwest Tech?**

Southwest Tech offers various courses for students in *grades 9 - 12*. These courses provide students with an opportunity to try out career clusters while building the foundational skills that will help them succeed. The introductory courses are offered in 55-minute short blocks. Although short blocks are designed for 9th & 10th graders, 11th & 12th graders can also be eligible if space is available. The yearlong technical programs are designed for 11th & 12th graders, although 10th graders who are motivated & show exceptional promise may be admitted.

### **How long does it take to complete a program?**

Most technical programs are made up of a two-year, six credit sequence through which students develop the *skills & knowledge* that will prepare them for post-secondary education or an entry-level position in their career field. Programs run all year in classes that are 85 minutes one semester & 155 minutes the other semester, or vice versa.

### **What if I don't know what I want my career to be?**

You are in the right place! Take an introductory course. Southwest Tech offers numerous introductory courses that give students a head start towards entering a tech program. Another option is to dive right in & enroll in a tech program. The skills you develop will be useful even if you choose not to continue your training in the area where you started. Each course you take at the Southwest Tech will help you focus in on where you truly want to be in the *future*.

### **Will I still meet my graduation requirements at Southwest Tech?**

Yes, however it is important to talk to your school counselor to be certain that you will meet your *graduation requirements*.

### **Is Southwest Tech for the College Bound? ABSOLUTELY!**

Through our programs, students can earn college credits. Some of the colleges we work with are CCV, Paul Smith & New England Culinary Institute. Many of our students leave high school with *college credits for FREE!* It is our job to prepare students for success in *any* endeavor, which includes a commitment to students entering post-secondary education. Some programs have direct connections with colleges by offering dual enrollment opportunities. Southwest Tech teachers encourage students to consider all opportunities after high school.

***Please note that course offerings and dual enrollment are subject to change. For updated information, contact the Southwest Tech School Counseling Coordinator. Or visit us on the web at: [www.svcdc.org](http://www.svcdc.org).***

# Accounting & Finance

In this program students will expand critical thinking skills, improve math skills, master computer applications, & learn accounting operations such as: accounting concepts, financial statements, Microsoft excel, Accounting Software & business operations. Careers associated with this program are; CPA, banker, accountant, and many more. Students will participate in the Heritage Family Credit Union branch and the Campus Store at Southwest Tech to gain work experience and customer service skills.

**High School Credit(s):** *3 credit earned in Accounting & Finance 1 (Math, Tech. & Elective)*

*3 credits earned in Accounting & Finance 2 (Math)*

**Certification(s)** *Link & Learn Basic Taxation (20 – 25 hrs.)*

*Link & Learn Basic Tax Ethics (8–10 hrs.)*

**Grades:** *10<sup>th</sup> – 12<sup>th</sup>*

**Numerically Graded**

**Year Long** *(each program)*

*Students should have completed Algebra 1 with a 70% or higher & instructor permission. Business Basics, word processing & spreadsheet skills are suggested as preparatory courses & skills.*

## Introductory Classes to the Accounting & Finance Program

**Business Basics:** This 55 minute class will prepare students for both the Accounting & Finance & Business Management Programs. Students will use various computer application programs relevant to the business world such as Word, Excel & PowerPoint. Decision making, time management, personal finance, career research & communication skills will be applied. Students will create a variety of business documents using Microsoft Office software.

**High School Credit(s):** *0.5 credits earned towards technology or elective credits.*

**Personal Finance:** This course will teach students how to manage money. Students learn about finance through a variety of methods including simulations and games such as a simulated stock market game as well as a Personal Finance simulation. These games will teach students how to: balance a checkbook, invest in the stock market, create a budget, evaluate purchases, and much more.

**Grades:** *9<sup>th</sup> – 10<sup>th</sup>*

**Numerically Graded**

**One Semester Long** *(each program)*

# Automotive Technology

In the Automotive Technology program students learn the mechanics of engines, troubleshoot in order to problem solve & explore customer needs. Students will explore careers such as parts specialist, diesel fuel mechanic, auto parts manager & service technician. Auto shop safety, auto systems, & fuel systems will be included. Skills developed are; preventative maintenance, customer service, wheel/ tire alignment, & state inspections.

**High School Credit (s):** 3 credits earned in Automotive Technology 1 (**Elective**)

4 credits earned in Automotive Technology 2 (**1 Science & 3 Electives**)

**Certification(s):** Automotive Oil Change Assoc. (15 hrs.); Safety Pollution Prevention (4 hrs.);

Safety Pollution Prevention Mechanical (4 hrs.); VT Inspection Mechanics License (20 hrs.); Tire

Industry Association (15); ASE Student Certification

**Grades:** 10<sup>th</sup> – 12<sup>th</sup>

**Numerically Graded**

**Year Long** (each program)

*Students should have a 9<sup>th</sup> grade reading level, above a 70% in Algebra 1, science & instructor permission.*

## Introductory Class to the Automotive Technology Program

**Automotive Maintenance:** This one semester class is designed to provide an awareness of automotive systems & skills in the basic maintenance of vehicles. Students will study automotive business & careers; tools & equipment, expenses of auto care & cleaning; introduction to automotive systems & engine operations; safety; small engines; &, buying an automobile.

**Intro to Power Mechanics; Small Engines: (5<sup>th</sup> Block 2:15- 3:15 Monday- Thursday)** This introductory class will focus on the design and operation of the two and four-stroke engines used in many industries today. Students will learn the theory and operation of the Briggs and Stratton small engines used on lawn mowers, generators, pressure washers and other small equipment.

**High School Credit(s):** 0.5 credits earned towards elective credit.

**Grades:** 9<sup>th</sup> – 11<sup>th</sup>

**Numerically Graded**

**One Semester Long**

# Building Trades

This two-year program (with a 3<sup>rd</sup> year option) is designed to teach students the basic skills necessary to enter the construction field. The program offers both carpentry & basic electrical wiring. In carpentry, students learn blueprint reading & sketching, construction safety procedures, hand & power tool operation, foundations, sub-flooring, framing, roofs, stairs & basic house construction & codes. In electrical, students learn cable & device installation procedures, service entrance, light switching, branch circuits, special purpose branch circuits & electrical code. Residential supply & waste plumbing & HVAC systems are also introduced. Over the span of the program, students gain experience & practice through the construction of marketable structures with an emphasis on energy efficiency & 'green.'

**High School Credit (s):** 3 credits earned in Building Trades 1 (**Elective**)

3 credits earned in Building Trades 2 (**1 Math & 2 Electives**)

**Certificates That Can Be Earned:** OSHA-10; NCCER Level 1 (1 year); NCCER Level 2 (1 year) & Lead Paint.

**Grades:** 10<sup>th</sup>–12<sup>th</sup>

**Numerically Graded**

**Year Long** (each program)

*Students should know basic math, specifically measurements (i.e. arithmetic calculations with fractions in volume & weight as well as measurement, areas, and use of a ruler*

## Introductory Class to the Building Trades Program

**Woodworking & Building Technology:** This course will center on fine carpentry skills including cabinet & furniture making, framing, windows & doors. It will prepare students for the fundamental skills in basic woodworking. Students will learn the care & safe use of both hand & power tools. Students learn about: Safety, Ethics & Regulations, Math for Carpenters, & stationary power tools.

**High School Credit(s):** 0.5 credits earned towards elective credit for one semester. 1.0 credit for yearlong.

**Grades:** 9<sup>th</sup>–11<sup>th</sup>

**Numerically Graded**

**One Semester or Year Long**

# Business Management

Do you want to be your own boss? Do you want to lead a team of people to success? The business management program is relevant for all career plans. The skills gained in this two-year program are transferable to all careers. Students will explore principles and practices of business and entrepreneurship including management and leadership skills, sports & entertainment management, computer applications, communication skills, career exploration, resumes and job interviews, personal finance, team building, business operations, and so much more. It is an opportunity to develop sharp business skills through individual and group projects, guest speakers, work-based learning experiences and field trips. Students also participate in the operation of "321 Perk @ The Campus Store" through a lab experience and have the potential to earn two or more industry recognized certificates when completing the program.

**High School Credit(s):** *3 credits earned in Business Management 1 (0.5 Technology, 2.5 Elective)*

*3 credits earned in Business Management 2 (1 Math & 2 Electives)*

**Certification(s):** *Microsoft Office Specialist– Word; Microsoft Office Specialist–Excel; Microsoft Office Specialist – PowerPoint; Personal Finance*

**Grades:** *10th–12th*

**Numerically Graded**

**Year Long** *(each program)*

## Introductory Classes in Business, Accounting & Finance Programs

**Business Basics:** This course will prepare students for both the Accounting & Finance and Business Management Programs. Students will use various computer application programs relevant to the business world. Students will create a variety of business and marketing documents such as business cards, income statements, ads, and various marketing campaigns.

**High School Credit(s):** *0.5 credits earned towards technology or elective credits.*

**Money Matters:** A short block course that has everything to do with your money. We will find out about earning, saving, investing, borrowing, protecting, budgeting, managing and planning. Many of the activities are web-based and all assignments are practical. Learn skills that will help you in your future, in college and beyond.

**High School Credit(s):** *0.5 credits earned towards elective credits.*

**Personal Finance:** This course will teach students how to manage money to meet future activities in his/her personal life such as saving and investing, understanding a paycheck, renting an apartment or house, purchasing a car, etc. Students learn about finance through a variety of methods including simulations such as a simulated stock market game as well as a Personal Finance simulation. These simulations, along with a variety of individual and group projects, will teach students how to balance a checkbook, invest in the stock market, create a budget, evaluate purchases and much more.

**High School Credit(s):** *0.5 credits earned towards elective credits.*

**Grades:** *9<sup>th</sup>–11<sup>th</sup>*

**Numerically Graded**

**One Semester Long** *(each program)*

# Cosmetology

This 2-year program (with an option for a 3<sup>rd</sup> year) gives students opportunities to gain skills & credentials in a high demand career area. Students earn industry recognized credentials while earning hours towards the Vermont Cosmetology Licensing Exam. Students will be engaging in a wide variety of challenging and real-world projects and assignments typical of the cosmetology field, as well as collaborations with local hair salons.

Some of the career opportunities are: Hairdresser/Stylist, Salon Manager/Owner, Licensing Examiner/Inspector, Manicurist, Shampooer, Skincare Specialist, Make-up Artist.

**High School Credit (s):** *3 credits earned in Cosmetology 1 (Elective)*  
*3 - 4 credits earned in Cosmetology 2 (1 Science & 2-3 Electives)*

**Certification(s):** OP1 (3 hrs.); Barbicide (10 hrs.); Cuccio (10 hrs.)

**Grades:** 10<sup>th</sup> – 12<sup>th</sup>

**Numerically Graded**

**Year Long** (each program)

*Knowledge of basic math, specifically measurements (i.e. arithmetic calculations with fractions in volume & weight), at least a 9<sup>th</sup> gr. reading level, above a 70% in science & teacher recommendation.*

## Introductory Class to the Cosmetology Program

**Introduction to Cosmetology:** This short block course is an introduction to a career in an ever-changing industry with endless possibilities. It is intended as an introduction to hands-on & theory skills. Students will learn life skills, professional image, manicures, hairstyling, & principles of hair design, skin care, & Vermont state rules & regulations of the salon business. In addition to classroom learning students will use hands-on activities to practice their skills. Students will also have opportunities to hear from guest speakers in the field of cosmetology.

**High School Credit(s):** *0.5 credits earned towards elective credit.*

**Grades:** 9<sup>th</sup> – 12<sup>th</sup>

**Numerically Graded**

**One Semester Long**

**Eyelash Enhancement Certification Course (5th Block 2:15-3:15, Monday- Thursday):** This course will teach students the artistry of eyelash enhancements. Upon completion of the course students will receive a certification in eyelash applications (Certification does not grant students permission to perform a full-set application license).

**Enrolled in Cosmetology Program**

**Numerically Graded**

**One Semester Long**

**Cosmetology Extension:** This course must be requested by the program instructor to assist students with skill building and

**Enrolled in Cosmetology Program**

**Numerically Graded**

**Enrolled in Cosmetology Program**  
(Can be taken more than once for credit)



# Culinary Arts

The Culinary Arts program is a challenging & exciting course of study designed to meet the needs of a diverse population of students while providing rigorous training experiences & knowledge of the food service industry. Students entering the program are offered the opportunity to prepare for a wide range of careers within this field. Students develop core skill sets in the following areas: sanitation, safety, basic food preparation, equipment operation, safe knife skills, terminology, measurement, front-of-the-house management & service, recipe cost controls, short order cooking, quantity food preparation, & baking.

**High School Credit (s):** 3 credits earned in Culinary 1 (**Elective**)  
4 credits earned in Culinary 2 (**1 Science & 3 Electives**)

**College Credit(s):** 3 New England Culinary Institute credits **SAVINGS OF \$2100**

*Students have the opportunity to complete a hybrid 9-week course through NECI. If this course is completed, students are eligible for a participation scholarship at NECI.*

**Certification(s):** Servsafe, CPR

**Grades:** 10<sup>th</sup> – 12<sup>th</sup>

**Numerically Graded**

**Year Long** (each program)

*Students should know basic math, specifically measurements (i.e. arithmetic calculations with fractions in volume & weight), have at least a 7<sup>th</sup> grade reading level.*

## Introductory Class to the Culinary Arts Program

**International & Regional Foods:** This course will study the distinct regional cooking styles of America & it's neighbors. Students will work side by side with a professional chef to create international foods from all areas of the world. This course will explore the concepts in cultural differences & similarities & the preparation of the food specialties of the major geographical areas of the world.

**High School Credit(s):** 0.5 credits earned towards elective credit for one semester & 1.0 for year long.

**Grades:** 9<sup>th</sup> – 11<sup>th</sup>

**Numerically Graded**

**One Semester or Year Long**

# Forestry & Heavy Equipment

This popular two-year program introduces students to forest science & safe operation of chainsaws & heavy equipment. First year students learn safe operation & maintenance of the program's chainsaws, backhoe/loader, bulldozer, sawmill, trailers & dump trucks. Some of the forestry skills students acquire include; identification of trees & forest pests, wood volumes, surveying, forest management, soil, water & wildlife conservation. Second year students build on their skills & knowledge & apply them in community & class projects. These focus on the development of students' planning, supervision & teamwork skills. Second year students will also be introduced to forest management & planning, arboriculture, basic welding, & timber harvesting. They may also obtain their Commercial Driver's License (CDL).

**High School Credit (s):** 3 credits earned in Forestry & Heavy Equipment 1 (**Elective**)

4 credits earned in Forestry & Heavy Equipment 2 (**1.0 Science, 3.0 Elective**)

**College Credit(s):** Articulation agreements with **Paul Smith's College & University of New Hampshire**.

**Certification(s):** Game of Logging Chainsaw Safety Training Levels 1, 2, 3, & 4; OSHA (10 hrs.); CPR; First Aid; CDL (when appropriate).

**Grades:** 10<sup>th</sup> – 12<sup>th</sup>

**Numerically Graded**

**Year Long** (each program)

**Students should have at least a 70% in 10<sup>th</sup> grade Math & Science & instructor approval.**

## Introductory Class to the Forestry Program

**Introduction to Forestry:** This introductory course will explore the many natural resources found in Bennington County. This will include the various local regional food products and wild edibles. Students will also be introduced to the use and maintenance of heavy equipment.

**High School Credit(s):** 0.5 credits earned towards elective credit for one semester.

**Grades:** 9<sup>th</sup> – 11

**Numerical Graded**

**One Semester**

# Graphic Arts

This program presents students with complex design scenarios. The program explores major area of graphic communications, including advertising design, editorial design, graphic design and logo design. Students will learn how and when to use Adobe Illustrator, Adobe InDesign and Adobe Photoshop. Additionally, traditional methods of drafting and sketching will be explored. Research, methodology and responsible digital citizenship are vital components of the program. Students will experiment with typography, poster design, logo creation, packaging design and more. In addition students will gain foundational knowledge of basics of design theory and the processes beyond commercial printing operations..

**High School Credit (s):** *3 credits earned in Graphic Arts I (1.0 Art, .5 Tech, 1.5 Elective)*

**Certification(s):** *Adobe Certification (pending)*

**Grades:** *10<sup>th</sup> – 12<sup>th</sup>*

**Numerically Graded**

**Year Long** *(each program)*

*Art I with grade of 70% or above, Digital Drawing & Collage or  
instructor permission*

## Introductory Class to Graphic Arts

**Digital Drawing & Collage (Short Block):** This introductory course introduced students to different methods of drawing with the computer and aims to familiarize them to utilized the computer as a creative tool. Students will be using Wacom tablets and Ipad Pro with ProCreate. Adobe Creative Cloud will be explored. More traditional methods will be explored using flatbed scanning and vectorization.

**High School Credit(s):** *0.5 credits earned towards elective credit.*

**Grades:** *9<sup>th</sup> – 11<sup>th</sup>*

**Numerically Graded**

**One Semester**

**Advanced Graphic Arts (Long Block):** This course will give more experienced students real world design challenges. Community client work available along with statewide competition opportunities. Includes possible portfolio development. \*Prerequisite: Graphic Design with an 80% or above grade, or with instructor permission.

**High School Credit(s):** *1.0 credits earned towards elective credit.*

**Grades:** *9<sup>th</sup> – 11<sup>th</sup>*

**Numerically Graded**

**One Semester**

# Human Services

Do like working with children and people? Are you interested in psychology? Do you want to learn more about yourself? Do you want to improve your people & communication skills? If so, then the Human Services Program might be for you! In this two-year program, students will learn about: child, adolescent, adult & elderly development, working with children, families & the elderly, substance abuse, mental illness, skills for the workplace, careers in Human Services, child & elder abuse, healthy relationships, communication, teamwork & people skills, healthy living issues, & more! Students will gain hands-on experiences by spending class time at local preschools, childcare centers, elementary schools, & elder services. Human Service careers will be explored which will include: teaching, childcare, counseling, social work, therapist, psychologist, school counselor, medical field, & legal field.

**High School Credit (s):** 3 credits earned in Human Services 1 (**Elective**)

3 credits in Human Services 2- (**1.0 Social Studies, 2.0 Elective**)

**\* Social Studies credit cannot be in place of US or World History credits.**

**Certification(s):** CPR & Mandated Reporter Training

**Grades:** 10<sup>th</sup> – 12<sup>th</sup>

**Numerically Graded**

**Year Long** (each program)

*Students should have a 70% or above in grade level math, & a 75% or above in 10<sup>th</sup> grade English & instructor permission*

## Introductory Class to the Human Services Program

**Introduction to Mental Health:** What is “normal?” We all have our own little quirks that make us uniquely individual, but at what point do we say that someone has a mental illness? In this course students study mental illness: risk factors, symptoms, treatment, history of mental illness & the impact that mental illness has on society. Students also learn about careers in the mental health field & discuss what it is like to deal with people with mental illness. Class work will include several feature length films, class discussions, individual & group projects.

**High School Credit(s):** 0.5 credits earned towards elective credit.

**Grades:** 9<sup>th</sup> – 11<sup>th</sup>

**Numerically Graded**

**One Semester Long**



# Law Enforcement

The Law Enforcement Program is an exciting, fast-paced, academically challenging class for high school students interested in pursuing a career in the criminal justice field. Bennington County Law Enforcement Agencies & the Law Enforcement Program have partnered in a unique way to provide real hands-on experiences to students enrolled in the program. This program combines lecture based instruction with hands on techniques culminating in real work scenarios.

**High School Credit (s):** 3 credits earned in Law Enforcement 1 (**Elective**)

3 credits earned in Law Enforcement 1 (**1.0 Social Studies, 2.0 Elective**)

\* Social Studies credit cannot be in place of US or World History credits.

**Certification(s):** CPR/AED/First Aid Child & Adults, Introduction to Incident Command System (ICS),

**Grades:** 11<sup>th</sup>–12<sup>th</sup> (10<sup>th</sup> grade with instructor approval)

**Numerically Graded**

**Year Long** (each program)

**Students MUST be 16 years old to enroll. Additional requirements to enroll are a 75% or better in college preparatory English, a signed medical release, successful completion of Basic Entrance Assessment & instructor permission.**

## Introductory Class to the Law Enforcement Program

**SPIKE :** This exciting & fast paced introductory class is for students interested in learning about the wide variety of careers in the protective services & criminal justice fields. Students in this course will be introduced to major court cases & their impact on law enforcement today. Students will study & experience: patrol techniques, accident investigation, traffic stops, & speed calculations.

**High School Credit(s):** 0.5 credits earned towards elective credit.

**Grades:** 9<sup>th</sup>–11<sup>th</sup>

**Numerically Graded**

**One Semester Long**

# Manufacturing Technology

This two-year program introduces students to the exciting Manufacturing industry. Students learn safe practices while working with milling machines, lathes, grinders, CNC Machines, welders, and more. As students complete their projects, they build academic, problem solving and career skills. The Manufacturing Technology program provides students with the skills needed for entry level manufacturing positions as well as enrollment in post-secondary education for more advanced careers.

**High School Credit (s):** *3 credits earned in Manufacturing Technology 1 (0.5 Technology, 2.5 Elective)*  
*3 credits earned in Manufacturing Technology 2 (1 Math, 1 Science & 1 Elective)*

**Certification(s):** *OSHA-10 General Industry; NIMS Machining Level 1 (Measurement, Materials, and Safety); NIMS Machining Level 1 (Job Planning, Benchwork, and Layout); Certified SOLIDWORKS Associate*

**Grades:** *10<sup>th</sup> – 12<sup>th</sup>*                      **Numerically Graded**                      **Year Long** *(each program)*

*Students should have at least a 9<sup>th</sup> grade reading level, above a 70% in Algebra, above a 70% in Geometry & instructor approval*

## Introductory Class to the Manufacturing Technology Program

**3DCAD/ 3D Printing:** The goal of this one-semester course is to further student interest in the manufacturing field. This is important because today's students will be tomorrow's problem solvers. Students learn using state-of-the-art 3DCAD software as well as 3D printers and laser engravers.

**High School Credit(s):** *0.5 credits earned towards elective credit.*

**Grades:** *9<sup>th</sup> – 11<sup>th</sup>*                      **Numerically Graded**                      **One Semester Long**

# Medical Professions

This course is the perfect opportunity for you to explore the world of health care while preparing for your post-secondary education and/or future career! Medical Professions I focuses on the foundational knowledge & skills needed to pursue a health-related career, such as: the history of health care, health care systems, medical ethics, medical legal issues, vital signs, airway management, venipuncture, and infection control. Medical Professions II includes a full-year anatomy/physiology course, as well as an in-depth medical terminology course. Students can also earn certifications in CPR and First Aid. Qualified students have the opportunity to be dual-enrolled in college-level medical terminology and human biology courses and can earn 6 college credits while still in high school. During both years of the program students will explore a wide variety of health careers as they job shadow medical professionals.

**High School Credit (s):** 3 credits earned in Medical Professions I (3 Elective)

3 credits earned in Medical Professions II (2 Elective) (1 Science - A&P)

**College Credit(s):** 3 CCV credits – Medical Terminology

3 CCV credits – Human Biology **SAVINGS OF \$1,897.00** (according to 2019/2020 tuition

<sup>rate</sup>  
**Certification(s):** CPR (Healthcare Provider); First Aid

**Grades:** 10<sup>th</sup>–12<sup>th</sup>

**Numerically Graded**

**Year Long** (each program)

*Students should have a 10<sup>th</sup> grade reading level, completed Algebra 1, completed college-prep Biology (with a grade of 75 or higher) and/or receive instructor approval. An MP I grade of 70 or higher and/or recommendation of instructor is required in order to enroll in MP II.*

## Introductory Class to the Medical Professions Program

**Emergency Medicine:** This course teaches the academic and hands-on skills needed to rescue people in potentially life-threatening situations. Some of the topics covered in this class include: CPR (health care-provider level), first aid, medical terminology, and basic anatomy and physiology of the cardiac, respiratory, skeletal and neurological systems. Assessment and treatment of medical emergencies such as anaphylaxis, heart attack, and stroke will be covered. In addition to classroom learning and hands-on practice, students will learn from guest speakers from the field of emergency medicine.

**High School Credit(s):** 0.5 credits earned towards elective credit.

**Certification(s):** CPR (Healthcare Provider); First Aid

**Grades:** 9<sup>th</sup>–12<sup>th</sup>

**Numerically Graded**

**One Semester Long**

*Students need to have the physical ability to perform CPR (kneel on ground, perform compressions). This course involves extensive vocabulary; enrolling students should be eligible to enroll in 9B English level or higher.*

# Pre-Law- Forensics & Know Your Rights!

**Know Your Rights:** Have you ever been treated unfairly? Have you ever wondered whether something is legal or illegal? In this class we will explore legal situations that High School, College and other young adults face every day. How to understand a rental agreement for an apartment. How to negotiate a sports entertainment contract. How to advocate to change rule or law. We will explore all of the high paying jobs in the legal field, for those with a range educational backgrounds.

**High School Credit (s):** *1 elective credit earned in Know Your Rights*

**Forensic Investigation:** Students will be introduced to modern forensic analysis through classroom study and hands on lab work. Students will start by learning about the American Criminal Justice system from the crime scene to the courtroom. Students will participate in mock crime scenes and courtroom argument as well as real scientific laboratory study.

**High School Credit (s):** *1 elective credit earned in Forensic Investigation*

**Grades:** *10<sup>th</sup>–12<sup>th</sup>*      **Numerically Graded**      **YearLong (Two Independent SemesterLong Courses)**

*Students should have an 11<sup>th</sup> grade reading level, above an 85% in 10<sup>th</sup> grade college preparatory English & instructor permission*

## Introductory Class to the Pre-Law Program

**Anatomy of Crime:** This short block course is an introduction to the process of forensic investigation, & includes processing crime scenes, collecting various types of evidence, & learning through lab experiences how various forensic examiners determine the usefulness of the evidence in proving guilt beyond a reasonable doubt. Topics that we will study include fingerprints, blood spatter, shoe impressions, DNA & Forensic anthropology & entomology. Guest speakers & videos, in addition to labs, will be used for further coverage of topics.

**High School Credit(s):** *0.5 credits earned towards elective credit.*

**Grades:** *9<sup>th</sup>–11<sup>th</sup>*

**Numerically Graded**

**One Semester Long**



# Theatre Arts: Stage & Screen

Theatre Arts students will learn all aspects of drama including; acting, writing, directing and technical arts. Students have the opportunity to create their own scenes and/ or work with the video productions class to create films. Students will critically review films and filmed stage productions of plays. Students will go to see live theatre! Students will have the opportunity to design and build sets, lighting and sound design. Theatre Arts students have gone on to Cornell, NYU, Ithaca, UVM and many others. An amazing opportunity for those interested in acting but have conflicts due to participation in sports!

**High School Credit (s):** 3 credits earned in Theater Arts 1 (**Elective**)

3 credits earned in Theater Arts 2 (**1.0 English, 1.0 Art & 1.0 Elective**)

**Grades:** 10<sup>th</sup>–12<sup>th</sup>

**Numerically Graded**

**Year Long** (each program)

*Students should have instructor permission.*

## Introductory Class to the Theatre Arts Program

**Stagecraft/ Drama & Theatre:** Stagecraft is a hands-on class where you will learn carpentry skills while building and painting sets for theatre productions. You will also have the opportunity to design sets for the theatre. You will learn how to create lighting for plays as well. This is a good class for people interested in building trades, theatre or video.

**High School Credit(s):** 0.5 credits earned towards elective credit.

**Grades:** 9<sup>th</sup>–11<sup>th</sup>

**Numerically Graded**

**One Semester Long**

# Video & Television Production

In the Video & Television Production program, you will learn how to produce videos and television programs, in and out of the television studio. You will learn to shoot videos with professional cameras, microphones and lighting, and edit using Adobe Premiere Pro and other industry software. You will produce and analyze stories and short films in YouTube/Web, documentary, interview, music video, montage and other formats. Video & TV Production 2 focuses on advanced film making techniques and further explores genres, technology and industry opportunities. If you've ever wanted to learn how to produce movies, videos and television shows, or to create videos for fun, this program is for you.

**High School Credit(s):** 3 credits earned in Video Production 1 (0.5 Technology, 2.5 Elective)

3 credits earned in Video Production 2 (Elective)

**Numerically Graded**

**Grades:** 10<sup>th</sup>–12<sup>th</sup>

**Students should have instructor permission.**

**Year Long** (each program)

## Introductory Class to the Video Production Program

**YOUTUBE & TV Studio Production:** This short block course focuses on production of short videos intended for Web distribution, live television production techniques, live-streaming, and the ins and outs of modern Web distribution strategies and platforms, such as YouTube, Facebook Live and more. Students learn how to efficiently produce short Web videos, and utilizing professional video cameras, microphones and other industry-standard equipment. Participants create content for a YouTube channel, and learn methods for online publication and distribution. They learn all phases and roles of TV studio production, from planning and style, to directing and live-streaming.

### **Intro to Video & TV Production:**

This short block course focuses on film making techniques, video and television production utilizing professional video cameras, microphones, TV studio equipment, industry-standard editing software and more. Students learn to convey their ideas and stories through various multi-media methods in group and individual projects. Participants learn about video and TV genres, then plan, produce and edit videos, TV shows and podcasts. The class collaborates to produce a full TV program, complete with a live host, segments and digital shorts.

**High School Credit(s):** 0.5 credits earned towards elective credit.

**Grades:** 9<sup>th</sup>–11<sup>th</sup>

**Numerically Graded**

**One Semester Long**

# ADD TO YOUR TECHNICAL COURSES

**Graphic Design:** This course focuses on two-dimensional design and basic layout and typography skills both on and off the computer. Assignments will first be done by hand with an emphasis on strong conceptual and design skills. As the class progresses, we will apply those skills to design on the computer using industry standard layout and image manipulation software on the Mac platform. **Fulfills either MAU technology or art requirement.**

1 SEMESTER NUMERICAL 1 CREDIT

**Grades 9 – 12**

**Microsoft Office:** In today's world, students should be familiar with various software applications. This course will provide students with touch keyboarding review and formatting skills. Word, Excel, PowerPoint, Access, Publisher and Outlook (all part of the Microsoft Office Suite) will be studied and used to prepare business and personal documents. Decision-making, time management, personal- finance, job search, leadership and communication skills will be developed while applying software functions. **Fulfills MAU technology requirement.**

1 SEMESTER NUMERICAL 1 CREDIT

**Grades 9 - 12**

**SB Computer Applications:** This course develops proper key-boarding skills along with speed and accuracy while learning formats for personal and business documents. Current applications in word processing software, spreadsheet software, desktop publishing software, and presentation software will be explored and examined. Computer concepts and vocabulary will also be emphasized. **Fulfills MAU technology requirement.**

1 SEMESTER NUMERICAL 0.5

**Grades 9 - 12**

**Emerging Leaders:** This course assists students to meet their academic, career, post secondary and personal goals through interactive events, retreats and trainings. Students in Emerging Leaders are nominated by their school counselors or teachers. **Fulfills MAU elective requirement.**

1 SEMESTER NUMERICAL 0.5

**Grades 10 - 12**

# **ADVANCEYOUR Southwest Tech STUDIES WITH...**

## **Work Based Learning (WBL) Seminar**

A great complement to the student's Southwest Tech program, the Work-Based Learning (WBL) Seminar facilitates and supports the student's placement in a real work setting customized to match the student's career interests. WBL placements (i.e., co-op) provide opportunities for students to enhance skills they have learned and practiced in their technical program classroom while also giving them the chance to observe how seasoned professionals utilize these skills in real work settings. The classroom component of the seminar is designed to help students develop a realistic career plan, develop work readiness skills, and gain exposure to the standards, practices, policies and culture of work. Dual enrollment credit in exploratory workplace experience can be available. Please see the School Counseling Coordinator for further information.

**High School Credit(s):** *1.0 credit per semester earned towards elective credit.*

**Grades:** *10<sup>th</sup> – 12<sup>th</sup> (with permission from technical program instructor & WBL Coordinator)*

***Numerically Graded***

***One or Two Semesters Long***

## **Certification Programs**

Southwest Tech is pleased to offer certification programs for adults and high school students with instructor permission. Contact Lisa Harrington for more information and tuition rates.

### **LNA Training Certification Program**

The SVCDC is committed to preparing secondary and post-secondary students for career and lifelong learning in a rapidly changing world. To this end, the Nursing Assistant Training (NAT) program at the SVCDC will develop the potential in each of our students, and to provide our communities with caregivers of the very highest possible quality. The LNA Training program prepares students to pass the state exam. Students will learn the basics of assisting patients, body mechanics, ethics and communication. The entire program is a total of 100 hours. These hours are earned through classroom lectures, lab practice, clinical work and evaluation care.

### **EMT Training Certification Program**

Students will learn about the human body, ethics, stabilization, airways, assessment, trauma, types of injuries, ambulance operations, and much more. If you enjoy helping people in crisis, want to make a difference in your community, and have a willingness to work hard, this program could be for you. The Basic EMT course is being offered at the Southwest Tech in conjunction with the Bennington Rescue Squad. Students who satisfactorily complete the course will be eligible to sit for the national EMT certification exam. Also, any hours completed in this program can be applied toward the EMT apprenticeship currently offered through the Bennington Rescue Squad.

### **CDL Class B Training**

Southwest Tech offers a Commercial Driver's License (CDL) program as part of its daytime Forestry & Heavy Equipment Program. It provides the essential information and skills necessary to prepare for both licensure exams and for working as a commercial driver with class B endorsement. CDL Class B training is for straight truck drivers and requires a minimum of 74-hours in a combination of classroom, range, and on-the-road instruction. 20



# Embedded Graduation Requirements

<u>CDC Program or Short-Block</u>	<u>Type of Credit</u>	<u>Credits</u>	<u>Requirement or Timeframe for Earning</u>	<u>Approved by</u>
<u>Accounting &amp; Finance 1</u>	<u>(2<sup>nd</sup> &amp; 3<sup>rd</sup>) Math</u>	<u>2</u>	<u>1<sup>st</sup> Year</u>	<u>MAU Board</u>
<u>Accounting &amp; Finance 1 or 1a</u>	<u>MAU Tech.</u>	<u>0.5</u>	<u>1<sup>st</sup> Semester</u>	<u>MAU Board</u>
<u>Accounting &amp; Finance 2</u>	<u>(4<sup>th</sup>) Math</u>	<u>1</u>	<u>Program Completer*</u>	<u>VT AoE</u>
<u>Automotive Technology</u>	<u>Science</u>	<u>1</u>	<u>Program Completer*</u>	<u>VT AoE</u>
<u>Building Trades</u>	<u>Math</u>	<u>1</u>	<u>Program Completer*</u>	<u>VT AoE</u>
<u>Business Management</u>	<u>Math</u>	<u>1</u>	<u>Program Completer*</u>	<u>VT AoE</u>
	<u>MAU Tech.</u>	<u>0.5</u>	<u>1<sup>st</sup> year</u>	<u>MAU Board</u>
<u>Cosmetology</u>	<u>Science</u>	<u>1</u>	<u>Program Completer*</u>	<u>VT AoE</u>
<u>Culinary Arts</u>	<u>Science</u>	<u>1</u>	<u>Program Completer*</u>	<u>VT AoE</u>
<u>Forestry &amp; Heavy Equipment</u>	<u>Science</u>	<u>1</u>	<u>Program Completer*</u>	<u>VT AoE</u>
<u>Human Services</u>	<u>Soc. Studies 4<sup>th</sup> yr.</u>	<u>1</u>	<u>Program Completer*</u>	<u>VT AoE</u>
<u>Law Enforcement</u>	<u>Soc. Studies 4<sup>th</sup> yr.</u>	<u>1</u>	<u>Program Completer*</u>	<u>VT AoE</u>
<u>Manufacturing Technology</u>	<u>Math</u>	<u>1</u>	<u>Program Completer*</u>	<u>VT AoE</u>
	<u>Science</u>	<u>1</u>	<u>Program Completer*</u>	<u>MAU Board</u>
	<u>MAU Tech</u>	<u>0.5</u>	<u>1<sup>st</sup> Year</u>	<u>MAU Board</u>
<u>Medical Professions</u>	<u>Science</u>	<u>1</u>	<u>Program Completer*</u>	<u>VT AoE</u>
<u>Pre-Law</u>	<u>Soc. Studies 4<sup>th</sup> yr.</u>	<u>1</u>	<u>Program Completer*</u>	<u>VT AoE</u>
<u>Theater Arts</u>	<u>Art</u>	<u>1</u>	<u>Program Completer*</u>	<u>VT AoE</u>
	<u>English</u>	<u>1</u>	<u>Program Completer*</u>	<u>MAU Board</u>
<u>Video Production</u>	<u>MAU Tech</u>	<u>0.5</u>	<u>1<sup>st</sup> year</u>	<u>MAU Board</u>
<b><u>SHORT BLOCKS (55minutes):</u></b>				
<u>Business Basics (50 minutes)</u>	<u>MAU Tech</u>	<u>0.5</u>	<u>1 semester</u>	<u>MAU Board</u>
<u>CAD Design &amp; Fabrication</u>	<u>MAU Tech</u>	<u>0.5</u>	<u>1 semester</u>	<u>MAU Board</u>
<u>Computer Applications</u>	<u>MAU Tech</u>	<u>0.5</u>	<u>1 semester</u>	<u>MAU Board</u>
<b><u>LONG BLOCKS (90 minutes):</u></b>	<u>MAU Tech</u>	<u>0.5</u>	<u>1 semester</u>	<u>MAU Board</u>
<u>Graphic Design</u>	<u>MAU Tech, Art</u>	<u>0.5</u>	<u>1 semester</u>	<u>MAU Board</u>
<u>Microsoft Office</u>	<u>MAU Tech</u>	<u>0.5</u>	<u>1 semester</u>	<u>MAU Board</u>

VT AoE = State Board of Ed. Manual of Rules & Practices, Career & Technical Education State Board Regs., Series 2370

\*Program Completer= “Successful Completion: A student who has been judged competent in 90% of the core competencies has completed the program successfully.” As assessed by program instructor after completing program (typically after 2 years)

# **Regional Governing Board Members**

<b>Board Chair</b>	John MacDonald
<b>Vice Chair</b>	Michael Munson
<b>Clerk</b>	Jackie Kelly
<b>Treasurer</b>	Ellen Strohmaier
	Jon Gauthier
	Art Haytko
	Leon Johnson
	Francis Kinney
	Edward Letourneau
	Todd Siclari
	Kenneth Swierad
	Dane Whitman

**Southwest Tech Main Office  
Phone Number: 802-447-0220**

**Michael Lawler, Superintendent/Director ~ Ext. 141 Meg  
Honsinger, Assistant Director ~ Ext. 138  
Lisa Harrington-Redding, School Counseling Coordinator ~ Ext. 133 Wendy Klein,  
Wendy Klein, Work Based Learning Coordinator ~ Ext. 134**

**Southwest Tech  
321 Park Street  
Bennington, VT 05201**

All programs and activities of Southwest Tech are offered without regard to race, color, national origin, sex, disability, religion, sexual orientation, gender identity, age, and marital status. *For questions regarding this policy, contact the Superintendent/Director or Assistant Director, 321 Park Street, Bennington VT 05201. 802-447-0220.* For information about accessible services, activities and facilities at the school, contact the 504 Coordinator at 802-447-0220.

# **SCHOOL COUNSELING SERVICES**

As School Counseling Coordinator, Lisa Harrington-Redding can assist students & parents/guardians from all partner schools. Southwest Tech's approach to guidance & all student services is to treat our students as individuals with unique needs. We work to see that students are provided with services that allow them to focus on what is truly important - their education.

Lisa Harrington-Redding works closely with the school counseling departments at all of our partner schools. If you are considering study at Southwest Tech, we recommend that you contact your own school counselor or Southwest Tech School Counseling Coordinator to make arrangements.

## **Southwest Tech School Counseling Services Include:**

- Outreach to community and local K-12 schools
  - Maintaining student records
  - Coordinate college dual enrollment
- Arranging employer & industry site tours & visits
- Managing CDC admissions & applications procedures
  - Supporting students to be successful at Southwest Tech
- Working with parents & guardians to support students
- Helping students plan for continuing education & careers

# Southwest Tech Student Organizations

Many Southwest Tech Programs offer participation in career-oriented student organizations. These organizations allow students to develop leadership skills & often provide opportunities for students to travel for state, regional, & National

## Distributive Education Clubs of America

DECA prepares emerging leaders and entrepreneurs in marketing, finance, hospitality and management in high schools and colleges around the globe.



## Future Business Leaders of America

FBLA is the high school division of Future Business Leaders of America-Phi Beta Lambda, Inc. FBLA helps high school students prepare for careers in business through academic competitions FBLA Competitive Events, leadership development and educational programs.



## National Technical Honor Society

The National Technical Honor Society currently serves approximately 100,000 active members and nearly a million members since its inception in 1984. Awarding over \$2 million in scholarships to date, NTHS honors the achievements of top CTE students, provides scholarships to encourage the pursuit of higher education, and cultivates excellence in today's highly competitive, skilled workforce.



## SkillsUSA

SkillsUSA empowers its members to become world-class workers, leaders and responsible American citizens. SkillsUSA improves the quality of our nation's future skilled workforce through the development of Framework skills that include personal, workplace and technical skills grounded in academics.



## HOSA

HOSA is an international student organization recognized by the U.S. Department of Education and the Health Science Education (HSE) Division of ACTE. HOSA's two-fold mission is to promote career opportunities in the health care industry and to enhance the delivery of quality health care to all people. HOSA's goal is to encourage all health science instructors and students to join and be actively involved in the HSE-HOSA Partnership. personal, workplace and technical skills grounded in academics.





# SOUTHWEST TECH STAFF

Bahny, Rob	Workforce Education and Training Coordinator
Barrett, Kristen	Business Management
Mullen, Tim	Manufacturing/CAD/Tech Design
Coon, Brian	Building Trades
Dence, David	Forestry/Heavy Equipment
Dovitsky, Linda	Tech Specialist/CDC Bus Driver
Foster, Brian	Tech Specialist/Bus Driver
Gulley, James	Law Enforcement/SPIKE
Harrington- Redding, Lisa	School Counseling Coordinator
Haskins, Tom	Auto Technology
Barrett, Kristen	Acct & Finance/Business Basics/Marketing
Honsinger, Meg	Assistant Director/ Adult Education Director
Klein, Wendy	Work Based Learning/Employability Skills
Lamson, John	Pre-Law/Forensics
Lawler, Michael	Superintendent
Marra, Robbe	Special Needs Coordinator
Martin, Tiffany	Database/Counseling Assistant
McGuire, Daniel	Computer Technician
Morgan-Hall, Jennifer	Cosmetology/Salon 152
Mullen, Tim	Tech Specialist/CDC Bus Driver
Munoz, Marty	Tech Specialist/ Bus Driver
Tattersall, Rebecca	Business Manager
Prentiss-Rogers, Amy	Human Services
Redding, Sandra	Administrative Assistant to the Superintendent
Ryder, Rich	Tech Specialist/CDC Bus Driver
Sauer, Nicole	Educational and Community Outreach Coordinator
Scutt, Ryan	Video & TV Production
Jackson, Daniel	Culinary Arts
Slade, Kathy	Medical Professions
Vosburgh, Catherine	Accounting/Payroll Clerk
Wright, Lauri	Tech Specialist/CDC Store Mngr./HFCC Mngr./Bus Driver