

Course Catalog

SCOTT REGIONAL TECHNOLOGY CENTER



*Preparing students for
an ever-changing
world.*

2 David Sippy Drive
Monett, MO 65708

Monett R-1 Schools

SCOTT REGIONAL TECHNOLOGY CENTER

LEARN A LIVING

Scott Tech is a shared time career and technical educational school that strives to provide quality technical education to high school juniors and seniors of southwest Missouri. Scott Tech hosts 14 area high schools, has 16 career and technical education programs.



SENDING SCHOOLS

Aurora High School

Monett High School

Billings High School

Mt. Vernon High School

Cassville High School

Pierce City High School

Crane High School

Purdy High School

Exeter High School

Southwest High School

Marionville High School

Verona High School

Miller High School

Wheaton High School

TABLE OF CONTENTS

TECHNICAL PROGRAMS.....	1
Auto Collision Repair.....	1
Automotive Technology	1
Computer Maintenance & Networking	1
Construction Technology	2
Culinary Arts.....	2
Diesel Technology	2
Early Childhood Education	3
Graphic Design.....	3
Health Occupations	3
JROTC	4
Marketing.....	4
Precision Machining.....	5
Welding Technology.....	5
Work Experience.....	5
STUDENT ORGANIZATIONS	7
American Welding Society (AWS)	7
DECA.....	7
SkillsUSA.....	7
National Technical Honor Society	7
TUITION AND FEES	8
CERTIFICATION	9
SCHOLARSHIPS.....	9
COLLEGE CREDIT	9
CAREER SERVICES.....	10
EMBEDDED COMMUNICATION ARTS	10
COMMUNITY EDUCATION.....	11

TECHNICAL PROGRAMS

AUTO COLLISION REPAIR

This two-year training program (three credit hours per year) is designed to teach all major aspects of the Auto Collision Industry processes as set by I--CAR (Inter-- Industry Conference on Auto Collision Repair) as well as to refine skills needed to be successful in the collision field and related work areas. Whether students go to work or choose to further their education, they will excel because of the knowledge and skills they have obtained in Auto Collision at SRTC. Students have the opportunity to participate as a member of SkillsUSA, to demonstrate their knowledge of collision repair at local and state contests. *Recommendation: proficiency in standard/metric math skills and reading skills.*
Articulated credit opportunities available.

AUTOMOTIVE TECHNOLOGY

Auto Tech is a two-year program (three credit hours per year) that offers study and training in the diagnosis and repair of automobiles. The program consists of study in the areas of brakes, suspension and steering, electrical, engine performance, heating and air conditioning, engines, and power trains. Automotive safety is integrated throughout all phases of the course. Students can earn college credit hours and ASE student certification by enrolling in Automotive Technology. *Articulated, dual credit and credit by exam opportunities are available.*

COMPUTER MAINTENANCE & NETWORKING

This two year program (three credits per year) places emphasis on computer maintenance one year and networking the following year. The course is designed to give the student the knowledge necessary to pass the CompTIA A + and Network + certifications. Students will have the opportunity to assemble PCs from components, troubleshoot, upgrade computers, install and configure operating systems, design networks, install and configure

network operating systems, troubleshoot networks, and maintain servers.

CONSTRUCTION TECHNOLOGY

Construction Tech is a two-year program (three credits per year) that focuses on residential construction. The program trains for the job market in all phases of construction. Students participate in the layout of footings and foundations, grade elevations, plan reading, rough and finish carpentry, and residential wiring. Students can earn OSHA 10 certification. Articulated credit opportunities are available.

CULINARY ARTS

This two-year program (three credits per year) prepares students to enter the hospitality industry or post-secondary education at an above-average level. Culinary arts is a foundation to a great career in the industry. Some career opportunities include chef, baker, cake decorator, salesperson, hotel clerk, and server. Many of the careers require more training at the post-secondary level or on-the-job. Major units of study include: safety and sanitation, food prep, customer service, baking, cake decorating, purchasing, costing, and hotel service. Dual credit and articulated credit opportunities are available.

DIESEL TECHNOLOGY

Diesel Tech is a two-year program (three credits per year) for students who are interested in medium and heavy-duty diesels as found in today's transportation industry. This program follows the NATEF (National Automotive Technicians Education Foundation) guidelines. Students will spend time in both classroom studies and in the laboratory developing hands-on skills. Live and simulated units will be used for instruction. Students must be interested in heavy-duty equipment repair and have some mechanical aptitude. Students need the ability to work with tools, sophisticated machines, solve problems, troubleshoot and develop professional

customer service skills. Articulated and dual credit opportunities are available.

EARLY CHILDHOOD EDUCATION

This two-year program (three credits per year) is designed for students who desire to work in careers involving young children and their families. Students will have experiences with preschool age children through the SRTC preschool. Students will be responsible for planning activities that stimulate a child's mental, physical, emotional and social growth. Students will learn to provide a safe, healthy and loving environment that will allow children to explore and develop their natural curiosity and imagination. Students enrolled in the program are required to have TB tests and background checks. *Recommendation: FACS class (es). Articulated credit opportunities are available.*

GRAPHIC DESIGN

This two-year program (three credits per year) is designed to prepare students to work in various fields of the graphics industry. This is a program that focuses on the development of visual concepts, basic design principles and elements of visual communications. Emphasis will be on the creative process, typography, color systems, vector artwork, photo editing, and document production, utilizing the Adobe Suite software. Students will work on projects in-house as well as outside projects as they become available. *Dual credit and articulated credit opportunities are available.*

HEALTH OCCUPATIONS

Health Occ is a one-year program (three credits per year) for high school juniors and seniors. This program utilizes knowledge, skill and professional conduct to explore various careers available in the health field. This course provides the student with the opportunity to develop leadership skills, therapeutic communication, basic patient-care skills, problem solving and a successful work ethic, necessary to become a health service assistant. Students will

develop competency in procedures such as measuring temperature, pulse, blood pressure, counting respirations, infection control procedures and assisting with activities of daily living. Strong emphasis is placed on medical terminology. Students will be required to participate in clinical rotations through diversified health care areas including laboratory, pharmacy, emergency room, labor and delivery, radiology, physical/occupational/speech therapy, acute care hospital, long-term care facilities, dental and veterinary hospital. Students enrolled in the program are required to have TB tests, influenza vaccine, provide immunization records and background checks through the Family Safety and Care Registry. *Recommended courses: Biology, and Anatomy and Physiology. Dual credit opportunities are available.*

JROTC (JUNIOR RESERVE OFFICER TRAINING CORPS)

SRTC Army Junior Reserve Officer Training Corps (JROTC) is structured along the lines of an Army unit to develop student leadership at each grade level under the direct supervision of the instructors. In addition to the emphasis placed on citizenship and leadership, the development of communication skills, the incorporation of historical perspectives, the requirement for competitiveness in physical fitness and military skills; the significance of service learning are emphasized. Students are guided by experienced leaders who help them develop self-awareness, confidence, the necessary skills to be good leaders and understand their potential. Army JROTC is not a program that recruits high school students for the military.

MARKETING

The Marketing program is a one-year program (three credits per year). Marketing is the process of creating, pricing, promoting, and selling the products consumers purchase in the marketplace. Marketing provides a competitive edge that is necessary in today's fast paced world. Students enrolled in this one-year program will be given the opportunity to gain an appreciation of the role of marketing by operating and promoting the Scotty

Store, the campus school store. Interested students can enroll in Marketing for a second year through the **Supervised Marketing Internship** program (three credits per year) for real-world job experience and class credit. *Articulated credit opportunities are available.*

“Scott Tech’s ability to give students real work experience by teaching beyond textbooks gives invaluable experience to high school students in preparing for further education and the workforce. I was given the opportunity to learn in a classroom setting and apply that knowledge in an impactful way that gave me the experience necessary to strive in college and achieve my career goals. The Scott Tech Marketing Program’s curriculum was more applicable to my college’s coursework than any other course I took in high school. This course allowed me to have a solid foundation for my future degree and gave me the edge I needed to strive in an undergraduate business program.

-- Alexandria Witt
Former Marketing Student

PRECISION MACHINING

Precision Machining is a two-year program (three credits per year) in a rapidly changing field. This course provides instruction and practice in the use of precision measuring tools, blueprints, lathes, milling machines, grinders, and computer numerical controlled machines and AutoCAD. Emphasis on setup and operation of machine tools, including the selection and use of work-holding devices, speeds, feeds, cutting tools, and coolants. Upon completion, students should be able to perform basic procedures on precision machines such as performing operations of measuring, layout, drilling, sawing, turning, and milling. Students will be exposed to AutoCAD and learn the basics of blueprint creation

and make the parts they create. *Recommendations: Algebra and Industrial Technology. Articulated credit opportunities are available.*

WELDING TECHNOLOGY

Welding is a two-year program (three credits per year) designed to advance the science, technology and application of the welding industry. The welding industry offers excellent opportunities for highly skilled technicians. The course provides training recognized by the American Welding Society (AWS). The program is an AWS Schools Excelling through National Skill Standards Education (SENSE) participating educational institution, which offers students enrolled to attain a nationally recognized certification upon successful completion. Students have the opportunity to become AWS Certified as well as earn OSHA 10 certification. *Recommendations: Applied Math and Science. Dual and articulated credit opportunities are available.*

WORK EXPERIENCE PROGRAM

The Work Experience Program is available to students with IEPs grade 9 through age 21. To participate, students must be referred by their IEP team, and complete an application and interview. Students may participate in career exploration, job shadowing or Coop. Job shadow students earn elective credit by doing hands-on work in real work settings. They are not paid. While job shadowing, students learn job skills, work behaviors, social skills and communication skills. Excellent attendance and a positive attitude are necessary. Students are required to follow a dress code and demonstrate proper workplace hygiene and grooming. Job sites are selected based on a student's interests, career goals and abilities, and site availability. Opportunities may include childcare, elder care, food service, automotive, custodial, laundry, greenhouse, retail, or grocery. One day each week students attend 'Getting and Keeping a Job' class on campus.

"Being a part of the JROTC program has pushed me to go beyond my comfort zone and has

become a program that I am now very active in. It has also prepared me for my goal of joining the Marines."

-- Aric Zabala

STUDENT ORGANIZATIONS

AMERICAN WELDING SOCIETY (AWS)

AWS provides students with a variety of resources and opportunities unparalleled in the industry. AWS serves over 50,000 members worldwide. Membership consists of engineers, scientists, educators, students, researchers, welders, inspectors, welding supervisors, company executives and officers, and sales associates. Interests include automatic, semi-automatic and manual welding, as well as brazing, soldering, ceramics, lamination, robotics, and welding safety and health.

DECA

DECA is the co-curricular student organization that supports marketing classroom instruction while enhancing leadership and social skills, along with their understanding of marketing, finance, hospitality, management and entrepreneurship. In DECA you will become a leader, win awards, travel, make new friends, develop job skills, earn scholarships, and learn about exciting careers such as fashion merchandising, sports marketing, advertising, travel and tourism, hospitality, plus more!

SKILLSUSA

SkillsUSA is a national organization serving trade, industrial, technical and health occupations students in public high schools, career and technical centers, and two-year colleges. SkillsUSA has more than 250,000 student and professional members annually who are organized into more than 13,000 chapters in 50 states and 3 territorial associations, including Puerto Rico, Guam and the Virgin Islands.

NATIONAL TECHNICAL HONOR SOCIETY

The goal of the National Technical Honor Society is to see deserving technical students are recognized and people of the community become aware of the talents and abilities of the young people and adults who choose technical education career pathways to a successful future.

“SkillsUSA has taught me many lessons. Through my experience as a State Officer I’ve traveled to Louisville, Kentucky, Washington, D.C., and many other places that have expanded my knowledge. This organization has given me the opportunity to advocate for Career and Technical Education and I have acquired a family of friends I will never lose.”

-- Brianna Vanderlaan
SkillsUSA Missouri Secretary

TUITION AND FEES

High school students attend Scott Tech for free. However, cost of materials, supplies, certifications may still apply. Fund raising, scholarships and other assistance programs are available for those who qualify.

ADMISSIONS

New students must complete an online application for admission to be admitted to Scott Tech. Students are required to provide a reference on the application and have recommendation from their sending school along with transcript, before they are reviewed for admission. Applications are then reviewed by the instructors of the program they applied to, and selected students complete an interview with program instructors or Scott Tech staff.

Juniors who plan on returning to Scott Tech for the 2nd year of their program, must complete an 'Intent to Return' form. Students who are in a 1-year program or wish to change programs need to complete the form and talk with Scott Tech counselor. A student who changes programs will forfeit their articulated college credits. If a student has failed a program, had discipline or attendance issues, they must conference with the Scott Tech director, counselors and sending school principal on their ability to return Scott Tech.

STUDENT OPPORTUNITIES

CERTIFICATIONS

Attaining technical skills is critical to student success in education and the workforce. All Scott Tech programs offer a Technical Skill Attainment (TSA) exam or Industry Recognized Credential (IRC) in their areas of study. Students should refer to their program syllabus for further information for specific information on program TSA's and IRC's.

SCHOLARSHIPS

National and local scholarships are available to Scott Tech students and to students in career and technical education. All students are encouraged to visit with the school counselor and their program instructors about scholarships in their chosen career field. Assistance with applications and letters of reference is available.

COLLEGE CREDIT

By attending Scott Tech, many students are eligible to receive FREE college credit or college credit at a reduced rate.

ARTICULATED CREDIT is college credit earned during high school that will be applied to your college transcript once you attend that college for at least a semester.

CREDIT BY EXAM is college credit the high school student receives upon passing the 'end of course exam'. The student must attend *Crowder College* for a semester and pay a fee per course to receive transcribed credit.

DUAL CREDIT is college credit the student earns while receiving high school credit by enrolling in an approved course. The student pays a reduced rate of \$60 per credit hour for *Crowder* and \$35 per credit hour for *OTC*.

DUAL ENROLLMENT is college credit the student receives by enrolling in a college class offered at a high school. Many courses are available during evening hours here at Scott Tech through Crowder College.

CAREER SERVICES

Career services assist students in obtaining meaningful career-related employment skills. By working with employers, community organizations, parents and our 14 sending schools, we provide a community of network of opportunities for students to learn. Events and activities are planned to provide instruction and practice on completion of job applications, resume writing, and job interview skills.

JOB SHADOWING is offered during the first semester for students interested in exploring the 'real world' experiences related to their program.

INTERNSHIPS are offered to seniors in the second year of a program. This opportunity allows the students to be placed in a business/industry related field to practice the skills learned at the Career Center while being exposed to 'real world' experiences.

FOCUS ON THE FUTURE is an event coordinated through career services. Business and industry representatives, colleges, technical schools and military recruiters attend to make available information regarding their specific industry and assist students in decisions about their future.

EMBEDDED COMMUNICATION ARTS

Communication Arts credit may be awarded to those students who complete 12 specific Communication Arts objectives. Each objective must be mastered at a 70% or higher rate. This course is embedded within another technical class, and students can earn a maximum of 1.0 credit over a one-year period. Only seniors and

students in one year programs are enrolled in the Embedded Communication Arts Program.

COMMUNITY EDUCATION

Community Education offers courses in the spring and the fall. The courses offered are in three categories: trade and tech, computer, and enrichment. Community Education isn't just for the Monett community but all the surrounding communities as well. Taking Community Education courses provide individuals the opportunity to develop new skills, explore new career options, enhance workforce training, or take personal enrichment classes. Community Education also offers customized job training upon request. With a partnership with Ed2Go, on-line courses are made available to meet the community/ industrial needs as well. The Ed2Go courses cover a wide range of subjects and are easily assessable 24/7.

STAY CONNECTED WITH US!



@SRTCMONETT



@SRTCMONETT



@SRTCMONETT

<http://monettschools.org/SRTC>

MONETT R-1 SCHOOL DISTRICT NON-DISCRIMINATION STATEMENT 2017

The Monett R-1 School District strictly prohibits discrimination and harassment against employees, students, or others on the basis of race, color, religion, gender, national origin, ancestry, disability, age, genetic information, or any other characteristic protected by law in its programs and activities. Inquiries related to District programs and to the location of services, activities, and facilities that are accessible by persons with disabilities may be directed to the Special Services Office, Special Services Director, – Civil Rights Compliance (Title VI/Title IX/504/ADA/Age Act), 6th Floor, 800 E. Scott St., Monett, MO 65708; telephone number 417-235-4246.