



RSD CAREER PATHWAYS



CAREER PATHWAYS
RUSSELLVILLE SCHOOL DISTRICT

A LETTER FROM OUR PRINCIPALS



Russellville educators are fully committed to helping each student discover his/her unique talents, grow in knowledge, and develop skills and dispositions needed for success in academics and in life. The secondary education experience in Russellville is characterized by strong support systems, positive role models, rigorous and relevant curriculum and instruction, and an emphasis on personalized learning. In the Russellville schools, we take pride in the fact that we are committed to helping all students find their career interest and create a plan to pursue their academic and career goals. At both Russellville Junior High School and Russellville High School, we have a period designated to career, finance, and personal exploration. During this period, known as Team Time at RJHS and FACE-Time at RHS, our students are actively developing a career portfolio and are participating in “real-world” lessons including topics such as:

- Dos and Don’ts of Job Interviews
- Making YOUR Resume Stand Out
- Knowing your Learning style, Personal Strengths, and Aptitudes
- What Career Choices Match YOU?
- Establishing and Maintaining Good Credit
- What YOUR Social Media Says about YOU
- Exploring Scholarship Opportunities
- Observing Various Professionals on the Job (learning through video)

Russellville Junior High School and Russellville High School, in conjunction with ATU Career Center, offers 20 distinct career pathways including Securities and Investments, Engineering, Biomedical Science, Welding Technology, and Criminal Justice. We have also added a computer science pathway as well as a military pathway with our JROTC program. In addition to the many distinct pathways we offer, we also have a Teacher Cadet class that affords classroom and field experience to students interested in pursuing education as a career. Students pursuing a career and technical pathway may also enroll in an internship program.

We are putting action to our belief that every student deserves a personalized education that results in a successful and productive life. Our aim is to educate, equip, and empower every student who walks through our doors!

Sincerely,

Sheila R. Jacobs
Principal
Russellville High School

Al Harpenau
Principal
Russellville Junior High School

16 CAREER CLUSTERS

At Russellville Junior High School, students begin taking assessments that show what career cluster they are interested in based off the 16 Career Clusters in the National Career Clusters Framework. Students then can take classes at RHS that match these career clusters or match one of the 19 career pathways that are available at RHS. Students in the career pathways class have the opportunity to receive college credit through Arkansas Tech University Ozark campus and receive industry level certifications.

CAREER CLUSTER	9TH GRADE OPTIONS	HIGH SCHOOL OPTIONS OFFERED IN GRADES 10, 11, OR 12	HIGH SCHOOL OPTIONS OFFERED IN GRADES 11 OR 12 ONLY	HIGH SCHOOL OPTIONS OFFERED IN GRADE 12 ONLY
Architecture & Construction	EAST	EAST, ATCC Construction Technology AP World History, World Religions, World History		
Business, Management & Administration	CBA, Journalism	CBA, Entrepreneurship (S), Financial Literacy (S), Investments and Securities (S), Jour- nalism, Computerized Accounting I, Structure of the English Language (S), Psychology, Sociology, AP Psychology, AP Human Geography/AP Environ- mental Science (Block Class), Journalism	Business Law I/II (S), Housing and Interior De- sign (S), Marketing, Financial Liter- acy (S), Computerized Accounting II, AP Macroeconomics, AP Government & Politics	Clothing Management (S)
Finance	CBA, Spanish	CBA, Computerized Accounting I, Entrepreneurship (S), Financial Literacy (S), Investments & Securities (S), Spanish, French	Computerized Accounting II, Financial Literacy (S), AP Macroeconomics	
Government & Public Administration	EAST, Spanish, AP United States History	Military History (S), EAST, Spanish, French, AP Human Geography, JROTC	AP Macroeconomics, AP US Government & Politics, Business Law I/II (S), Civics,	
Health Science	Spanish, Principles of Biomedical Science	Spanish, French, Principles of Biomedical Science, Human Body Systems	AP Physics, AP Chemistry, AP Biology, Genetics, AP Calculus, AP Statistics, ATCC Health Science/ Health Information Technology, Medical Interventions, Microbiology	ATCC Emergency Medical Technician, Biomedical Innovations,

16 CAREER CLUSTERS

CAREER CLUSTER	9TH GRADE OPTIONS	HIGH SCHOOL OPTIONS OFFERED IN GRADES 10, 11, OR 12	HIGH SCHOOL OPTIONS OFFERED IN GRADES 11 OR 12 ONLY	HIGH SCHOOL OPTIONS OFFERED IN GRADE 12 ONLY
Hospitality & Tourism	Spanish	ATCC Culinary Arts, Spanish, French, AP Human Geography, World Geography (S)	Business Law,	
Human Services	Family & Consumer Science, CBA, EAST, Spanish	World Religions (S), Family & Consumer Science, Psychology (S), AP Psychology, CBA, EAST, Spanish, French, AP Human Geography	ATCC Cosmetology, AP Macroeconomics, Financial Literacy (S), Business Law (S), Teacher Cadet I & II	
Information Technology	CBA, Intro to Engineering Design, EAST, Spanish, Journalism, Computer Science Essentials	Intro to Engineering Design, Principles of Engineering, ATCC Computer Engineering/ Computer Information Systems, CBA, Social Media & Communications (S), EAST, Spanish, French, Journalism, AP Human Geography, AP Computer Science Essentials, AP Computer Science A	Digital Electronics,	Engineering Design & Development
Law, Public Safety, Corrections & Security	CBA, AP United States History	ATCC Criminal Justice, CBA, Journalism, Psychology (S), Sociology (S), AP Psychology, Debate, Forensics, AP World History, World History, JROTC	Business Law (S), AP U.S. Government & Politics	
Manufacturing	EAST	ATCC Automation Systems Robotics, ATCC Welding Technology, EAST, AP Human Geography	Housing & Interior Design (S), Clothing Management (S)	
Marketing, Sales & Service	CBA, EAST, Journalism	CBA, Entrepreneurship (S), EAST, AP Human Geography, Journalism	ATCC Cosmetology, Marketing, Computerized Accounting I,II (S), AP Macroeconomics	Marketing Lab, Clothing Management (S)

CAREER CLUSTER	9TH GRADE OPTIONS	HIGH SCHOOL OPTIONS OFFERED IN GRADES 10, 11, OR 12	HIGH SCHOOL OPTIONS OFFERED IN GRADES 11 OR 12 ONLY	HIGH SCHOOL OPTIONS OFFERED IN GRADE 12 ONLY
Science, Technology, Engineering, Mathematics	Introduction to Engineering Design, CBA, Principles of Biomedical Science, EAST, Computer Science Essentials	Introduction To Engineering Design, Principles of Engineering, ATCC Computer Engineering, EAST, Entrepreneurship I, II (S), CBA, Principles of Biomedical Science, AP Human Geography, AP Computer Science Essentials, AP Computer Science A	Digital Electronics, AP Statistics, AP Calculus, AP Environmental Science, Zoology (S), Botany (S), AP Biology, AP Chemistry, AP Physics, Genetics (S), Microbiology (S), Marine Biology, Human Body Systems, Medical Interventions	Engineering Design & Development
Transportation, Distribution & Logistics	CBA, EAST	ATCC Auto Service Technology, EAST, CBA, AP Human Geography, Military History (S), World Geography (S)	AP Statistics, AP Calculus, AP Macroeconomics	
Agriculture, Food & Natural Resources	Family & Consumer Science	AP Human Geography, Arkansas History (S), World Geography (S), Family & Consumer Science	Foods & Nutrition (S), Botany (S), Zoology (S), Microbiology (S), Marine Biology, AP Macroeconomics, AP Environmental Science	Clothing Management (S)
Arts, Audio/Visual Technology & Communications	Introduction to Theater, Journalism, Art I, Band, Choir, EAST	ELA Drama (S), Creative Writing (S), Journalism, Introduction to Theater, Theater Performance I, Art I, Art II, Forensics, Debate, Theater Technical Design, Band, Choir, Music Appreciation/Technology (S), Social Media & Communications, EAST, AP World History, World Religions	Theater Performance II, AP Music Theory, Housing and Interior Design (S), Art III, AP Studio Art	Clothing Management (S)
Education & Training	Family & Consumer Science	Family & Consumer Science, AP Psychology, Psychology (S), Sociology (S)	Financial Literacy (S), Teacher Cadet I & II	



20 CAREER PATHWAYS

BUSINESS PATHWAYS

GENERAL MANAGEMENT

General Management focuses on careers that plan, organize, direct, and evaluate all or part of a business organization through the allocation and use of financial, human, and material resources.

SOCIAL MEDIA AND COMMUNICATIONS

Careers in Social Media and Communications involve creating, designing and producing interactive multimedia products and services, including the development of digitally-generated or computer-enhanced media used in business, training, entertainment, communications, and marketing.

ACCOUNTING

Accounting encompasses careers that record, classify, summarize, analyze, and communicate a business's financial information/ business transactions for use in management decision-making. Accounting includes such activities as bookkeeping, systems design, analysis, and interpretation of accounting information.

SECURITIES & INVESTMENTS

The securities and investments industry consists of brokerage firms, investment banks, and stock exchanges, all of which support the flow of funds from investors to companies and institutions. Related services include financial planning, asset management, hedge fund management, and custody services.

ENTREPRENEURSHIP

People with careers in entrepreneurship formulate policies and direct the operations of businesses and corporations, nonprofit institutions and other organizations. In small firms, the owner or chief executive officer may assume all advertising, promotions, marketing, sales and public relations responsibilities. In large firms, which may offer numerous products and services nationally or even worldwide, an executive vice president directs overall advertising, promotions, marketing, sales and public relations policies.

PLTW PATHWAYS

BIOMEDICAL SCIENCE

Working with the same equipment and tools used by lab professionals, PLTW Biomedical Science students are empowered to explore and find solutions to some of today's most pressing medical challenges. Through scaffolded activities that connect learning to life, students step into the roles of biomedical science professionals and investigate topics including human medicine, physiology, genetics, microbiology, and public health. Students work together in teams to find unique solutions, and in the process, learn in-demand, transferable skills like critical thinking and communication.

COMPUTER SCIENCE

PLTW Computer Science empowers students to become creators, instead of merely consumers, of the technology all around them. The program engages students in collaborative projects that help them develop in-demand computer science knowledge as well as transportable skills like creative thinking and communication. And whether they're creating an online art gallery or using automation to process and analyze DNA-sequence data, PLTW Computer Science students are seeing how their learning connects to the real world.

PRE-ENGINEERING

Affordable housing design. Biofuel production. App development. These are all hands-on, real-world challenges students face in their PLTW Pre-Engineering courses. Throughout the program, students step into the varied roles engineers play in our society, discover new career paths and possibilities, and develop engineering knowledge and skills. In addition, as students work in teams to design and test solutions, they're empowered to develop in-demand, transportable skills like collaboration, critical thinking, and communication.

FAMILY & CONSUMER SCIENCE PATHWAYS

FAMILY AND CONSUMER SCIENCE PATHWAY

People with careers in consumer services assist individuals with decisions and problems relating to finance, real estate, insurance, and consumer goods.

JROTC PATHWAYS

ARMY JUNIOR RESERVE OFFICER TRAINING CORPS

The Army Junior Reserve Officer Training Corps (JROTC) is a program that teaches students character education, student achievement, wellness, leadership, and diversity. It is a cooperative effort between the Army and the high schools to produce successful students and citizens while fostering in each school a more constructive and disciplined learning environment.

ATU CAREER CENTER PATHWAYS

CONSTRUCTION TECHNOLOGY

Construction Technology teaches skills in residential and industrial construction with students learning to measure, cutting and joining equipment, as well as basic electrical and plumbing. Together, students build a three-bedroom house that is sold to the highest bidder.

COSMETOLOGY

Cosmetology helps students develop a variety of skills, such as hair-cutting techniques, styling, cosmetics, salon management and more. Students have the opportunity to begin earning the 1,500 clock hours of training required to be eligible to take the Arkansas State Board Of Cosmetology licensure examination.

CRIMINAL JUSTICE/LAW ENFORCEMENT

This program prepares students to perform the duties within all aspects of the criminal justice system. Within their first year, students learn case laws, as well as laws pertaining to search and seizure, arresting aspects, court procedure, and self-defense. The second year focuses on investigations and covers topics ranging from interviewing suspects to working the full crime scene.

CULINARY ARTS

Culinary Arts utilizes the ProStart Program-implemented through the National Restaurant Association Educational Foundation and the Arkansas Hospitality Association - to introduce students to careers in the hospitality industry with the goal of preparing them for management. Lecture and textbook learning are matched with an abundance of hands-on training in the commercial kitchen lab.

HEALTH SCIENCE/HEALTH INFORMATION TECHNOLOGY

HST/SIT prepares students for a medical career emphasizing medical procedures such as CPR, patient assessment, and healthcare technology. Areas of medicine taught include dentistry, nursing assisting, medical office assisting, and laboratory procedures. Students will have the opportunity to shadow a variety of medical professionals and can choose capstone course to suit their career plans such as Certified Nursing Assistant (CNA), Emergency Medical Technician (EMT), Pharmacy Tech and Phlebotomy.

AUTOMOTIVE SERVICE TECHNOLOGY

Automotive Service Technology provides industry-specific training to repair today's high technology vehicles, preparing students for employment in dealerships, specialty shops, and service centers. The laboratory is well equipped and uses the latest computerized diagnostic equipment, tools and procedures, and classes are certified by the National Automotive Technician Educational Foundation.

COMPUTER ENGINEERING/COMPUTER INFORMATION SYSTEMS

The CET/CIS program is designed to cover a wide array of topics, some in great detail and others for exposing students to all aspects of computer science. Students will be prepared to become a computer technician with the goal of obtaining the CompTIA Strata certification. Students learn to build, troubleshoot and repair computers, as well as set up SOHO networks, make cables and setup wireless networks. Students will also write HTML scripts and program Visual Basic object oriented programming languages. Using Ionic (Advanced HTML5 Hybrid Mobile Application Framework) and various other web technologies, students will build native mobile applications for iOS and Android platforms that can also be run in a webs browser. Students will also learn to create web pages using HTML, XHTML, and CSS. Upon completion, students can enter the workforce or pursue further education.

AUTOMATION SYSTEMS TECHNOLOGIES/ROBOTICS

This program covers basic electrical and mechanical components of mechatronics systems with instrument controls and embedded software designs, building, and maintaining of equipment that combines electronics, mechanics, pneumatics, hydraulics, and computer control systems. AST is a multi-disciplinary study to develop specialized and highly trained technicians dealing with the integration of mechanical devices, actuators, sensors, electronics, intelligent controllers and computers. Technicians set up and maintain robotic equipment, automated manufacturing equipment, programmable logic controllers, and any hybrid production or test equipment. These specialized technicians will meet a current and future need for local, area-wide, and global needs. These technicians need a broad understanding of how mechanical and electrical energy is produced, controlled and utilized.

WELDING TECHNOLOGY

Welding Technology is designed to provide skills in the areas of cutting, shaping, fastening and joining of metal to industry standards. As its curriculum, the program uses NCCER to ensure students meet industry standards. The program provides the opportunity to reach entry-level skills with instruction provided by lecture, demonstration, guided practice and the use of community service projects to provide expertise in the field.



BUSINESS PATHWAYS

Management Program of Study

BUSINESS, MANAGEMENT & ADMINISTRATIVE CLUSTER

CORE REQUIREMENTS	UNITS OF CREDIT
Computerized Business Applications (CBA)	Full year/1 period
AND	
Management	Full year/1 period
AND One Unit of the Following	
Computerized Accounting I	Full year/1 period
Marketing	Full year/1 period
Business Law I	1 semester/1 period
Business Law II	1 semester/1 period
Entrepreneurship	Full year/1 period
Investments & Securities	1 semester/1 period

Social Media & Communications Program of Study

INFORMATION TECHNOLOGY CLUSTER

CORE REQUIREMENTS	UNITS OF CREDIT
Computerized Business Applications (CBA)	Full year/1 period
AND	
Social Media and Communications	Full year/1 period
AND One Unit of the Following	
Computerized Accounting I	Full year/1 period
Entrepreneurship	Full year/1 period
Business Law I	1 semester/1 period
Business Law II	1 semester/1 period
Marketing	1 semester/1 period
Management	1 semester/1 period

Accounting Program of Study

FINANCE CLUSTER

CORE REQUIREMENTS	UNITS OF CREDIT
Computerized Business Applications (CBA)	Full year/1 period
AND	
Computerized Accounting I	Full year/1 period
AND One Unit of the Following	
Computerized Accounting II	Full year/1 period
Business Law I	1 semester/1 period
Business Law II	1 semester/1 period

Securities & Investments Program of Study

FINANCE CLUSTER

CORE REQUIREMENTS	UNITS OF CREDIT
Computerized Business Applications (CBA)	Full year/1 period
AND	
Financial Literacy	1 semester/1 period
Investments and Securities	1 semester/1 period
AND One or More of the Following	
Business Law I	1 semester/1 period
Business Law II	1 semester/1 period
Computerized Accounting	1 Full year/1 period
Marketing	1 Full year/1 period
Social Media & Communications	1 Full year/1 period

Entrepreneurship Program of Study

MARKETING CLUSTER

CORE REQUIREMENTS	UNITS OF CREDIT
Computerized Business Applications (CBA)	Full year/1 period
AND	
Entrepreneurship	Full year/1 period
AND One or More of the Following	
Computerized Accounting I	Full year/1 period
Business Law I	1 semester/1 period
Business Law II	1 semester/1 period
Marketing	Full year/1 period
Marketing Apprenticeship/Work-Based Learning	Full year/1 period

JOBS IN BUSINESS FIELDS

- ACCOUNTING CLERK
- ACCOUNTING SUPERVISOR
- ADJUSTER
- CHIEF TECHNOLOGY OFFICER
- AUDITOR
- BOOKKEEPER
- BUDGET ANALYST
- BUDGET MANAGER
- BILLING SUPERVISOR
- MANAGEMENT ANALYST
- CONTROLLER
- MERGER & ACQUISITIONS MANAGER
- PRICE ANALYST
- TOP COLLECTIONS EXECUTIVE
- INFORMATION TECHNOLOGY DIRECTOR
- TAX PREPARATION SPECIALISTS
- SALES AGENTS SECURITIES, COMMODITIES
- INVESTMENT ADVISORS
- BROKERAGE REPRESENTATIVES
- DEVELOPMENT OFFICERS
- SECURITIES/INVESTMENTS ANALYSTS
- STOCK BROKERS
- ACCOUNTING MANAGER
- ACCOUNTS PAYABLE MANAGER
- ASSISTANT CREDIT MANAGER
- BILLING MANAGER
- BUSINESS & DEVELOPMENT MANAGER
- PAYROLL MANAGER
- RISK MANAGER

To see more jobs in Business click on the QR Code





PLTW PATHWAYS

Biomedical Sciences Program of Study

HEALTH SCIENCES CLUSTER

CORE REQUIREMENTS	UNITS OF CREDIT
Principles of Biomedical Sciences	Full year/1 period
Human Body Systems	Full year/1 period
AND One or More of the Following	
Medical Intervention	Full year/1 period
Biomedical Interventions	Full year/1 period

Computer Science Program of Study

INFORMATION TECHNOLOGY CLUSTER

CORE REQUIREMENTS	UNITS OF CREDIT
App Creators (8th Grade Course)	Full year/1 period
Computer Science Essentials (9th Grade Course)	Full year/1 period
Computer Science Principles	Full year/1 period
Computer Science A	Full year/1 period
Cybersecurity	Full year/1 period

Pre-Engineering Program of Study

SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (STEM) CLUSTER

CORE REQUIREMENTS	UNITS OF CREDIT
Introduction to Engineering Design	Full year/1 period
Principles of Engineering	Full year/1 period
And One or More of the Following	
Engineering Design and Development	Full year/1 period
Digital Electronics	Full year/1 period



JOBS IN PLTW FIELDS

- BIOCHEMIST
- BIOMEDICAL MANUFACTURING TECHNICIAN
- CELL BIOLOGIST
- CLINICAL DATA MANAGEMENT SPECIALIST
- CLINICAL TRIALS MONITOR
- CLINICAL TRIALS RESEARCH COORDINATOR
- CRIME SCENE INVESTIGATOR
- FORENSIC BIOLOGIST
- GENETIC COUNSELOR
- LAB TECHNICIAN
- MEDICAL EDITOR/WRITER
- MICROBIOLOGIST
- MOLECULAR BIOLOGIST
- NURSE RESEARCHER
- PHARMACEUTICAL/CLINICAL PROJECT MANAGER
- PHARMACEUTICAL SCIENTIST
- COMPUTER PROGRAMMER
- COMPUTER SCIENCE TECHNICIAN
- COMPUTER SOFTWARE ENGINEER
- CONSTRUCTION ENGINEER
- DEVELOPMENT ENGINEER
- DRAFTER
- PROGRAMMER ANALYST
- PROGRAM MANAGER
- PROGRAMMER
- PROGRAMMER/ANALYST
- PROJECT LEAD
- SOFTWARE APPLICATIONS SPECIALIST
- ARCHITECT

To see more jobs in PLTW click on the QR Code





ATU CAREER CENTER PATHWAYS

Construction Technology

ARCHITECTURE AND CONSTRUCTION CLUSTER

COURSE OPTIONS	COURSE EMPHASIS	UNITS OF CREDIT
Construction Trades I	Construction Fund	1 semester, 2 periods
Construction Trades II	Electrical Apps	1 semester, 2 periods
Construction Trades III	Carpentry/Construction Lab I	1 semester, 3 periods
Construction Trades IV	Plumbing/Construction Lab II	1 semester, 3 periods

Criminal Justice

LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY CLUSTER

COURSE OPTIONS	COURSE EMPHASIS	UNITS OF CREDIT
Law & Public Safety I	Intro Law Enforcement	1 semester, 2 periods
Law & Public Safety II	Juvenile Delinquency/ Public Relations in Law Enforcement	1 semester, 2 periods
Law & Public Safety III	Judicial Process/Interview Interrogation & Testimony	1 semester, 3 periods
Law & Public Safety IV	Crime Scene Investigation/Ethics in LE	1 semester, 3 periods

Health Science/Health Information Technology

HEALTH SCIENCES CLUSTER

COURSE OPTIONS	COURSE EMPHASIS	UNITS OF CREDIT
Health Services I	Human Anatomical Structures I/II	1 semester, 2 periods*
Health Services II	Medical Terminology/Disease Processes	1 semester, 2 periods*
Health Services III	Pharmacology/First Aid CPR	1 semester, 3 periods
Health Services IV	Phlebotomy (Taken with Pharmacology and First Aid/CPR)	Full Year, 3 periods
CNA I	Basic Nursing Principles (Certified Nursing Assistant) (Taken with Pharmacology and First Aid/CPR)	1 semester, 3 periods
*Required Prerequisites “Core”		
Emergency Medical Technician	First Aid/CPR/EMT	1 year, 2-3 periods (senior)

Culinary Arts

HOSPITALITY AND TOURISM CLUSTER

Course Options	Course Emphasis	Units of Credit
Restaurant, Food & Beverage Service I	Culinary Arts I	1 semester, 2 periods
Restaurant, Food & Beverage Service II	Culinary Arts II	1 semester, 2 periods
Restaurant, Food & Beverage Service III	Intro to Culinary Arts/ Pro Start I	1 semester, 3 periods
Restaurant, Food & Beverage Service IV	Pro Start II/Lab	1 semester, 3 periods



JOBS IN CAREER CENTER FIELDS

- CATERING & BANQUETS MANAGER
- RESTAURANT OWNER
- DIETITIAN
- EXECUTIVE CHEF
- FOOD/BEVERAGE WHOLESALE
- PERSONAL CHEF
- CARPENTER
- CARPET INSTALLER
- CONCRETE FINISHER
- CONSTRUCTION CRAFT LABORER
- CONSTRUCTION ENGINEER, FOREMAN, INSPECTOR, OR MANAGER
- HEALTH INFORMATION MGMT. ADMINISTRATOR OR TECHNICIAN
- HEALTHCARE ACCESS MANAGER
- HEALTHCARE ADMINISTRATOR
- INFORMATION PRIVACY OFFICER
- MEDICAL CODER
- ANIMAL CONTROL OFFICER
- CRIMINAL INVESTIGATORS & SPECIAL AGENTS
- MGR/SUPV. POLICE & DETECTIVES
- POLICE, FIRE & AMBULANCE DISPATCHERS
- POLICE & PATROL OFFICERS
- SHERIFFS & DEPUTY SHERIFFS

To see more jobs in CCF click on the QR Code





ATU CAREER CENTER PATHWAYS

Auto Service Technology

TRANSPORTATION, DISTRIBUTION, & LOGISTICS CLUSTER

COURSE OPTIONS	COURSE EMPHASIS	UNITS OF CREDIT
Auto Service Tech I	Brakes	1 semester, 2 periods
Auto Service Tech II	Chassis Steering & Suspension	1 semester, 2 periods
Auto Service Tech III	Auto Electronics/Adv Electronics	1 semester, 3 periods
Auto Service Tech IV	Gas Engine Theory	1 semester, 3 periods

Computer Engineering/Computer Information Systems

INFORMATION TECHNOLOGY CLUSTER

COURSE OPTIONS	COURSE EMPHASIS	UNITS OF CREDIT
Info Tech I	PC Maintenance I	1 semester, 2 periods
Info Tech II	Fundamentals of Computer Operations	1 semester, 2 periods
Info Tech III	Networking I	1 semester, 3 periods
Info Tech IV	HTML/Programming I	1 semester, 3 periods
Mobile Applications I	Mobile Applications I/Lab	1 semester, 3 periods
Mobile Applications II	Mobile Applications II/Lab	1 semester, 3 periods

Welding Technology

MANUFACTURING CLUSTER

COURSE OPTIONS	COURSE EMPHASIS	UNITS OF CREDIT
Welding I	Intro to Thermal Cutting	1 semester, 2 periods
Welding II	Gas Tungsten Arc (TIG) Welding	1 semester, 2 periods
Welding III	Gas Metal Arc (MIG) Welding/ Blueprint Reading	1 semester, 3 periods
Welding IV	Intro to Arc Welding	1 semester, 3 periods

Automation Systems Technologies/Robotics

MANUFACTURING CLUSTER

COURSE OPTIONS	COURSE EMPHASIS	UNITS OF CREDIT
Advanced Manufacturing I	Fund of Electricity I DC/Fund of Electricity II AC	1 semester, 2 periods
Advanced Manufacturing II	Intro to Robotics I/Semiconductors	1 semester, 2 periods
Advanced Manufacturing III	Semiconductors II/Industrial Automation/Intro to Programmable Controllers	1 semester, 3 periods
Advanced Manufacturing IV	Industrial Automation/Industrial Fluid Power/Intro to Digital Logic	1 semester, 3 periods

Cosmetology

MARKETING, SALES, & SERVICE CLUSTER

COURSE OPTIONS	COURSE EMPHASIS	UNITS OF CREDIT
Cosmetology I	Cosmetology I/Lab	1 year, 3 periods (16+ yr. old)
Cosmetology II	Cosmetology II/Lab	1 year, 3 periods (16+ yr. old)



JOBS IN CAREER CENTER FIELDS

- INDUSTRIAL ELECTRONIC INSTALLER/REPAIRER
- INDUSTRIAL FACILITIES MANAGER
- INDUSTRIAL MACHINERY MECHANIC
- INDUSTRIAL MAINTENANCE ELECTRICIAN, MECHANIC, OR TECHNICIAN
- INSTRUMENT CALIBRATION AND REPAIR
- ELECTROMECHANICAL EQUIPMENT ASSEMBLER
- EXTRUSION MACHINE OPERATOR
- FOUNDRY WORKER
- GRINDING, LAPPING, AND BUFFING MACHINE OPERATOR
- HOIST AND WINCH OPERATOR
- COMMUNICATIONS ANALYST
- DATA COMMUNICATIONS ANALYST
- INFORMATION SYSTEMS ADMINISTRATOR, OPERATOR, OR ENGINEER
- NETWORK CONSULTING
- BARBERS
- COSMETOLOGISTS, HAIRDRESSERS, & HAIRSTYLISTS
- NAIL TECHNICIANS, MANICURISTS & PEDICURISTS
- SKIN CARE SPECIALISTS/ ESTHETICIANS
- ELECTROLYSIS TECHNICIANS

To see more jobs in CCF click on the QR Code





FAMILY AND CONSUMER SCIENCE PATHWAY

Family and Consumer Science

HUMAN SERVICE CLUSTER

COURSE DESCRIPTION	UNITS OF CREDIT
Family and Consumer Science (should be taken during 9th or 10th grade)	Full year/1 period
AND	
Housing and Interior Design	1 semester/1 period
Clothing Management	1 semester/1 period
AND ONE OF THE FOLLOWING	
Financial Literacy	1 semester/1 period
Child Development/Parenting	Full year/1 period
Food and Nutrition/Food Safety	Full year/1 period
Food and Nutrition	1 semester/1 period

JUNIOR ROTC PATHWAYS

Army Junior Reserve Officer Training Corps

GOVERNMENT & PUBLIC ADMINISTRATION CLUSTER OR
LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY CLUSTER

COURSE DESCRIPTION	UNITS OF CREDIT
Army JROTC I (LET I) - Grade Levels: 9-12	Full year/1 period
Army JROTC II (LET II) - Grade Levels: 10-12	Full year/1 period
Army JROTC III (LET III) - Grade Levels: 11-12	Full year/1 period
Army JROTC IV (LET IV) - Grade Level: 12	Full year/1 period



JOBS IN FACS FIELDS

- COMMUNITY SERVICE DIRECTORS
- LICENSED PROFESSIONAL COUNSELORS
- HUMAN SERVICES WORKERS
- SOCIAL SERVICES WORKERS
- EMPLOYMENT COUNSELORS
- CAREER COUNSELORS
- LEISURE ACTIVITIES COORDINATORS
- DIETITIANS
- GERIATRIC SERVICE WORKERS
- ADULT DAY CARE WORKERS
- RESIDENTIAL ADVISORS
- EMERGENCY AND RELIEF WORKERS

JOBS IN JROTC FIELDS

- NATIONAL SECURITY ADVISOR
- ELECTRONIC WARFARE OPERATIONS
- COMBAT OPERATIONS
- INFANTRY FIELD ARTILLERY
- SPECIAL FORCES
- MISSILE AND SPACE SYSTEMS
- MILITARY INTELLIGENCE
- COMBAT CONTROL OFFICER
- COMBAT ENGINEER
- INTELLIGENCE/ COUNTERINTELLIGENCE
- AGENT/SPECIALIST
- INTELLIGENCE ANALYST

To see more jobs in FACS or JROTC click on the QR Code





RHS GRADUATION REQUIREMENTS

Requirement	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
English 4 Credits Required	None	English 1 or Pre-AP English 1	English 2 or Pre-AP English 2	English 3 or AP English Language	English 4, AP English Literature, or ATU Concurrent English
Math 4 Credits Required 1 Credit beyond Algebra 2 required for Smart Core	Algebra 1 <i>For students who qualify</i>	Algebra 1 or Geometry	Geometry or Algebra 2 <i>(Complete Geometry before taking Algebra 2)</i> <i>Can also take Bridge to Algebra 2</i>	Algebra 2, or Algebra 3/Pre-AP Calculus/Advanced Topics in Math /AP Statistics	Algebra 3/Pre-AP Calculus/Advanced Topics in Math /AP Statistics, or AP Calculus
Science 3 Credits Required	None	Physical Science	Biology	Physics or Chemistry (Smart Core), Environmental Science (Core) **Beginning with class of 2020: Chemistry Integrated (Smart Core) Environmental Science (Core)	None
Social Studies 3 Credits Required Civics/Economics U.S. History World History	None	U.S. History	World History	Civics and Econ or ADE Enhanced AP US Gov. and Politics, and ADE approved AP Macro Economics and Personal Finance	None
Also Required: <ul style="list-style-type: none">• Oral Communications ½ credit• PE ½ credit• Health ½ credit• Fine Arts ½ credit• Computer Business Applications/EAST 1 credit• 6 Electives- Career Focus					
23 TOTAL CREDITS					



MY PATHWAY

Name:
Grade:
Career Cluster(s) I’m Interested In:
Career Pathway I’m Interested In:
Courses To Take 9th Grade:
Courses To Take 10th Grade:
Courses To Take 11th Grade:
Courses To Take 12th Grade:



ARKANSAS TECH
UNIVERSITY
CAREER CENTER

The Career Pathways Brochure is a publication of the Russellville School District.

In compliance with federal nondiscrimination laws, the Russellville School District does not discriminate on the basis of race, color, national origin, sex, age, religion, or disability in its employment and education practices. If you have questions regarding the professional qualifications of your child's teachers or paraprofessionals, you are encouraged to contact Mrs. Alene Bynum, Assistant Superintendent of Personnel and Instruction at 479.968.1306.

Le invitamos a que hable con la Mrs. Alene Bynum, si usted tiene alguna pregunta sobre las capacitaciones profesionales de los maestros o asistentes de maestros de sus hijos.