**Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Grade: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **This program of study can serve as a guide along with other career planning materials as learners continue on a career path. Courses listed within this program are only recommended coursework and should be individualized to meet each learner’s education and career goals.** | | | | | | | | | | |
|  | | **El Reno High School**  **091034050** | | **23 Units or sets of competencies are required to meet state graduation requirements.** 4 English, 3 Math, 3 Laboratory Science, 3 History/S.S., 2 Foreign Language or 2 Computer Science, 1 Additional Unit, 1 Fine Arts or Speech, 6 Electives, and Personal Financial Literacy Requirement & CPR/AED Requirement. Courses with \* are required. | | | | | | |
| **High School** | **9th Grade** | | | | **10th Grade** | | **11th Grade** | **12th Grade** | | |
| English/Language Arts I\* | | | | English/Language Arts II\* | | English/Language Arts III\* | | | English/Language Arts IV\* |
| Algebra I\* | | | | Geometry I\* | | Algebra II\* | | | Elective or Math Elective\* |
| Physical Science\* | | | | Biology I\* | | Chemistry\* | | | Elective or Science Elective |
| Oklahoma History\* (.5 Sem.) | | | | U.S. History\* | | World History\* | | | U.S. Government\* (.5 Sem.) |
| Foreign Language I\* or Computer Technology I\* | | | | Foreign Language II\* or Computer Technology II\* | | Canadian Valley Technology Center | Full-Time Program | | | Canadian Valley Technology Center | Full-Time Program |
| Fine Arts or Speech\* | | | | Elective or Social Studies Elective | | Canadian Valley Technology Center | Full-Time Program | | | Canadian Valley Technology Center | Full-Time Program |
| Elective | | | | Elective | | Canadian Valley Technology Center | Full-Time Program | | | Canadian Valley Technology Center | Full-Time Program |
| **Note:**   * For **College Prep** **& Work Ready** or **Core Curriculum** requirements go to: [www.sde.ok.gov](http://www.sde.ok.gov) and search for *High School Graduation Requirements*. * For **Oklahoma’s Promise** requirements go to: [www.okhighered.org/okpromise/](http://www.okhighered.org/okpromise/) * For **NCAA** requirements go to: [www.ncaa.org](http://www.ncaa.org) | | | | | | | | | |
|  |  | | | |  | |  |  | | |
| **El Reno High School – Elective Courses Offer** | | | | | | | | | | |
| **Math:**   * Trigonometry * Pre-Calculus AP * Calculus or Calculus AP * Statistics or Statistics AP   **Science:**   * Environmental Science AP * Physics or Pre-AP Physics or AP Physics * Pre-AP Chemistry or AP Chemistry   **History/Social Studies:**   * Holocaust Studies * Military History * U.S. History Pre-AP or AP * World Geography   **Foreign Language:**   * German 1 * German 2 * Spanish 1 * Spanish 2   **Computers:**   * Advanced Computer Apps * Business Computer Applications * Digital Computer Literacy * Fundamentals of Technology * Microsoft Office | | | **Fine Arts:**   * 3D Sculpture Art * Advanced Piano * Advanced Theater * Art 1 * Art 2 * Art History * Beginning Band * Film as Literature * Fundamentals of Music * Girls Vocal * Honors Vocal Music * Instrumental Music * Intro to Theater * Music Appreciation * Music Theory * Studio Art AP * Technical Theater * Vocal Music 1   **Family and Consumer Science:**   * Adult & Family Living * Careers * Child Development * Clothing * Foods 1 * Foods 2 * Marriage and Family Life | | | **Agriculture Education:**   * Ag Communications * Ag Economics * Ag Employment * Ag Power & Technology * Ag Leadership * Agriscience 1 * Agriscience 2 * Equine 1 * Equine 2 * Horticulture * Plant Science * Wildlife * Wildlife Management   **PE and Athletics:**   * Football * Softball * Volleyball * Baseball * Golf (after school) * Girls Weightlifting * Boys Weightlifting * Tennis * Girls Basketball * Boys Basketball * Wrestling * Cross Country * Girls Soccer * Boys Soccer | | | **Redlands Community College:**   * Adolescent Psychology * Algebra * Anatomy w/ Lab * Art Appreciation * Biology * Business App Software * Calculus * Chemistry * Earth Science * Economics * English Comp. I * English Comp. II * Farm & Ranch Management * Financial Accounting * Government * Humanities * Intro to Criminal Justice * Lifetime Fitness/Management * Medical Terminology * Music Appreciation * Psychology * Sociology * Spanish * Speech * Statistics * Trigonometry * US History * Western Civilization sn 1500 * Philosophy | |
|  | | | | | | | | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| For CV Tech Program Details, visit: [https://cvtech.edu](https://cvtech.edu/class-offerings?type=full) | | | | | | | |
|  | | | | | | | |
| **Architecture & Construction**  **Career Cluster** | | | | | | | |
| **CV Tech Programs:** | | | | **Recommended Elective Courses:** | | | |
| * **Computer Aided Drafting & Design (CADD)** * **Construction Trades** * **Electrical Trades** * **Heating, Ventilation, Air Conditioning, & Refrigeration (HVACR)** | | | | **Math:**   * Trigonometry * Pre-Calculus AP * Calculus or Calculus AP * Statistics or Statistics AP   **Science:**   * Physics   **Agriculture:**   * Ag Power & Technology | | **Computers:**   * Business Computer Applications * Fundamentals of Technology * Digital Computer Literacy   **Fine Arts:**   * Art 1 * Art 2 | |
| **Sample Occupation Pathways:** | | | | | | | |
| **Design/Pre-Construction Pathway** | | **Construction Pathway** | | | **Maintenance & Operations Pathway** | | |
| * Architect * Civil Engineers * Cost Estimator * Drafter | * Interior Designer * Mapping Technicians * Surveyor * Surveying Technicians | * Carpenter * Construction Manager * Electrician * Explosives Workers | * HVACR Technician * Pipe Fitter * Plumber * Sheet Metal Worker | | * Building Maintenance * Boilermakers * Carpenter * Commercial Divers | | * Demolition Engineer * Hazardous Materials Remover * Heating System Tech * Millwright |
| **Sample Architecture & Construction Cluster Salaries**  Wage information comes from the Bureau of Labor Statistics, [Occupational Employment Statistics Program](https://www.bls.gov/ooh/) | | | | | | | |
| * Architect - $52,910 - $126,550 * Civil Engineer - $52,940 - $132,560 * Cost Estimator - $34,800 - $99,440 * Drafter - $32,360 - $80,260 * Interior Designer - $19,090 - $73,960 * Mapping Technicians, Surveyor, and Surveying Technicians - $25,770 - $74,390 | | * Carpenter - $27,560 - $61,390 * Construction Manager - $41,480 - $145,030 * Electricians - $30,340 - $78,760 * Pipe Fitter - $28,030 - $77,960 * Explosives Workers - $31,550 - $56,200 * HVACR Technician - $27,450 - $64,810 * Pipe Fitters and Plumbers - $28,030 - $77,960 * Sheet Metal Worker - $29,040 - $64,270 | | | * Building Maintenance - $21,810 - $62,520 * Boilermaker - $29,780 - $89,730 * Carpenter - $27,560 - $61,390 * Commercial Divers - $30,810 - $108,170 * Millwright - $31,690 - $71, 990 | | |

**Additional Related Post-Secondary Opportunities**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Located in Okmulgee, OK | **Oklahoma State University – Institute of Technology** |  |  | **Oklahoma City Community College** | |
| **Construction Technology A.A.S.**   * Construction Management * Electrical Construction   **Engineering Technologies A.A.S.**   * Electrical / Electronics Technologies * Instrumentation Technologies   **Industrial Maintenance Technologies A.A.S.**   * Natural Gas Compression   **Bachelor of Technology Degree:**   * Instrumentation Engineering Technologies |  | **Associates of Applies Science Degrees:**   * Engineering Technology A.A.S. | |
|  |  | |
|  | **Oklahoma State University – Oklahoma City** | |
| **Associates of Applies Science Degrees:**   * Construction Management A.A.S. * Construction Techniques A.A.S. * General Engineering A.A.S. * Power Transmission & Distribution Tech. A.A.S. | |
|  |  |  |
|  | **Southwestern Oklahoma State University** |  |
| **Bachelor of Science in Applied Engineering Management:**   * Manufacturing Technology * Electronics Technology   **Bachelor of Science in Engineering Technology**   * Manufacturing Engineering Technology |  | **Additional Related Bachelors, Masters, and Doctoral Degrees can be found at these Oklahoma Universities.** | | [Oklahoma State University](https://go.okstate.edu/)  [University of Oklahoma](https://www.ou.edu/)  [University of Tulsa](https://utulsa.edu/) |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| For CV Tech Program Details, visit: [https://cvtech.edu](https://cvtech.edu/class-offerings?type=full) | | | | | | | | | | | |
|  | | | | | | | | | | | |
| **Arts, A/V Technology**  **& Communication**  **Career Cluster** | | | | | | | | | | | |
| **CV Tech Programs:** | | | | | | **Recommended Elective Courses:** | | | | | |
| * **Digital Media Technology** * **Graphic Design** | | | | | | **Computers:**   * Business Computer Applications * Fundamentals of Technology * Digital Computer Literacy | | | | **Fine Arts:**   * Art 1 * Art 2 | |
| **Sample Occupation Pathways:** | | | | | | | | | | | |
| **Journalism & Broadcasting Pathway** | | **Performing Arts Pathway** | | | | | | **Printing Technologies Pathway** | | | |
| * Audio & Video Equipment Tech. * Broadcast News Analyst * Camera Operators * Copy Writers | * Editors * Film & Video Editors * Photographers * Sound Engineers * Technical Writers * Authors and Writers | * Actors * Agents (for Actors, Artists, and Athletes) * Choreographers * Dancers * Directors | | | * Makeup Artists * Music Composers * Music Directors * Producers * Singers | | | * Desktop Publisher * Prepress Technician * Prepress Worker * Printing Press Operator | | | * Print Binding and Finishing Workers * Proofreaders * Copy Markers |
| **Telecommunications Pathway** | | | | **Visual Arts Pathway** | | | | | | | |
| * Telecommunications Equipment Installers and Repairers * Telecommunications Line Installers and Repairers | | | | * Art Directors * Artists and Related Workers * Commercial & Industrial Designers * Craft Artists * Designers | | | | | * Fashion Designers * Fine Artists (painters, sculptors, Illustrators, etc.) * Floral Designers * Graphic Designers * Multimedia Artists & Animators | | |
| **Sample Arts, A/V Technology, & Communications Cluster Salaries**  Wage information comes from the Bureau of Labor Statistics, [Occupational Employment Statistics Program](https://www.bls.gov/ooh/) | | | | | | | | | | | |
| * Audio & Video Equipment Tech - $17,690 - $59,880 * Camera Operators - $26,080 - $89,100 * Film & Video Editors - $29,710 - $67,600 * Photographers - $18,710 - $47,620 * Technical Writers - $34,040 - $83,600 * Writers and Authors - $27,150 - $77,540 | | | * Agents - $16,580 - $68,740 * Choreographers - $22,960 - $101,060 * Directors - $28,320 - $93,940 * Music Directors - $17,360 - $60,700 * Desktop Publishers - $20,090 - $65,400 * Prepress Technician - $21,100 - $50,860 | | | | * Printing Press Operator - $18,670 - $42,380 * Telecommunications Equipment Installers - $29,800 - $68,340 * Art Directors - $35,660 - $100,700 * Fine Artists - $34,910 - $82,740 * Graphic Designer - $20,410 - $63,130 * Multimedia Artist & Animators - $25,680 - $79,750 | | | | |

**Additional Related Post-Secondary Opportunities**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Oklahoma State University – Institute of Technology** |  |  | **Oklahoma City Community College** |
| School of Creative & Information Technologies:3D Modeling & AnimationGraphics Design TechnologyInformation Technologies |  | **Digital Media Design:**   * Graphic Design A.A.S. * Photography/Digital Imaging A.A.S.   **Digital Cinema Production:**   * Digital Cinema Production A.A.S. |
|  |  |  |  |
| **Rose State College** | **Rose State College** |  | **Oklahoma State University – Oklahoma City** |
| **Multimedia Communication:**   * Digital Graphic Design A.A.S. * Mobile Design | Associates of Applies Science Degrees:   * Construction Management A.A.S. * Construction Techniques A.A.S. * General Engineering A.A.S. |
|  |
|  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| For CV Tech Program Details, visit: [https://cvtech.edu](https://cvtech.edu/class-offerings?type=full) | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | |
| **Business Management and**  **Administration & Finance**  **Career Clusters** | | | | | | | | | | | | | |
| **CV Tech Programs:** | | | | | | | **Recommended Elective Courses:** | | | | | | |
| * **Accounting and Business Education** | | | | | | | **Math:**   * Pre-Calculus AP * Calculus or Calculus AP * Statistics or Statistics AP | | | | **Computers:**   * Business Computer Applications * Fundamentals of Technology * Digital Computer Literacy | | |
| **Sample Occupation Pathways:** | | | | | | | | | | | | | |
| **Business Management and Administration Cluster** | | | | | | | | | | | | | |
| **Administrative Support Pathway** | | | | **Business Information Management Pathway** | | | | | **General Management Pathway** | | | | |
| * Bookkeeping * Accountants * Executive Secretaries | * Payroll Clerks * Procurement Clerks * Receptionist | | | * Computer and Information Systems Managers | | | | | * Compliance Managers * Investment Fund Managers * Loss Prevention Managers | | | | * Security Managers * Supply Chain Managers |
| **Human Resource Management Pathway** | | | | | | **Operations Management Pathway** | | | | | | | |
| * Compensation & Benefits Manager * Human Resources Manager | | | * Labor Relations Specialists * Training & Development Managers | | | * Administrative Services Manager * Customs Brokers | | | | | | * Purchasing Managers * Quality Control Systems Managers | |
| **Finance Cluster** | | | | | | | | | | | | | |
| **Accounting Pathway** | | **Banking Services Pathway** | | | **Business Finance Pathway** | | | **Insurance Pathway** | | | **Securities & Investments Pathway** | | |
| * Accountant * Auditors | | * Credit Analyst * Loan Officers * Tellers | | | * Budget Analyst * Tax Preparers * Treasurers | | | * Actuaries * Insurance Adjusters * Insurance Sales | | | * Brokerage Clerks * Personal Financial Advisor * Risk Management Specialist | | |
| Sample **Business Management and Administration & Finance Cluster** Salaries  Wage information comes from the **Bureau of Labor Statistics**, Occupational Employment Statistics Program | | | | | | | | | | | | | |
| * Accountant & Auditor - $39,550 - $111,050 * Bookkeeping Clerks - $21,920 - $58,660 * Executive Secretaries - $28,030 - $69,490 | | | | * Human Resources Manager - $55,220 - $157,590 * Labor Relations Specialist - $17,350 - $174,850 * Training & Development Manager - $53,300 - $147,580 | | | | | | * Purchasing Managers - $55,270 - $159,740 * Personal Financial Managers - $22,450 - $149,700 | | | |

**Additional Related Post-Secondary Opportunities**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Located in Okmulgee, OK | **Oklahoma State University – Institute of Technology** |  |  | **Oklahoma City Community College** |
| **Construction Technology A.A.S.**   * Construction Management * Electrical Construction   **Engineering Technologies A.A.S.**   * Electrical / Electronics Technologies * Instrumentation Technologies   **Industrial Maintenance Technologies A.A.S.**   * Natural Gas Compression   **Bachelor of Technology Degree:**   * Instrumentation Engineering Technologies |  | * Engineering Technology A.A.S. |
|  |  |
|  | **Oklahoma State University – Oklahoma City** |
| Associates of Applies Science Degrees:   * Construction Management A.A.S. * Construction Techniques A.A.S. * General Engineering A.A.S. * Power Transmission & Distribution Tech. A.A.S. |
|  |  |  |
|  | **Southwestern Oklahoma State University** |  |
| **Bachelor of Science in Applied Engineering Management:**   * **Manufacturing Technology** * **Electronics Technology**   **Bachelor of Science in Engineering Technology**   * **Manufacturing Engineering Technology** |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| For CV Tech Program Details, visit: [https://cvtech.edu](https://cvtech.edu/class-offerings?type=full) | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | |
| **Health Sciences**  **Career Cluster** | | | | | | | | | | | | | |
| **CV Tech Programs:** | | | | | | | **Recommended Elective Courses:** | | | | | | |
| * **Health Careers** * **Medical Assistant** * **Medical Office** * **Practical Nursing (Adult Students Only)** | | | | | | | **Computers:**   * Business Computer Applications * Fundamentals of Technology * Digital Computer Literacy   **Math:**   * Pre-Calculus AP * Calculus or Calculus AP * Statistics or Statistics AP | | | | **Science:**   * Environmental Science AP * Physics or Pre-AP Physics or AP Physics * Pre-AP Chemistry or AP Chemistry | | |
| **Sample Occupation Pathways:** | | | | | | | | | | | | | |
| **Biotechnology Research & Dev. Pathway** | | | | **Diagnostic Services Pathway** | | | | | | **Health Informatics Pathway** | | | |
| * Biomedical Engineers | * Medical Scientist | | | * Cardiovascular Technician * Cytogenetic Technologist * Sonographers * Epidemiologist | | * MRI Technologist * Radiologist * VET Tech Assistant | | | | * Medical Records & Health Information Technicians | | | * Medical Secretaries * Medical Transcription |
| **Support Services Pathway** | | **Therapeutic Services Pathway** | | | | | | | | | | | |
| * Endoscopy Technicians * Orderlies * Pharmacy Aides * Phlebotomist * Speech Language Pathologist | | * Acupuncturist * Acute Care Nurses * Allergist & Immunologists * Anesthesiologists * Athletic Trainers | | | * Audiologist * Chiropractors * Clinical Nurse Specialist * Critical Care Nurses * Dental Assistants | | | * Dermatologist * Dietetic Technicians * Dietitians Technicians * Home Health Aides * Medical Assistant | | | | * Nursing Assistants * Optometrist * Orthodontist * Pediatrician * Physical Therapist | |
| **Sample Health Sciences Career Cluster Salaries**  Wage information comes from the Bureau of Labor Statistics, Occupational Employment Statistics Program | | | | | | | | | | | | | |
| * Biomedical Engineer - $48,250 - $90,150 * Cardiovascular Technician - $23,700 - $74,360 * Sonographers - $51,200 - $93,120 | | | * Phlebotomist - $23,250 - $40,380 * Speech Language Pathologist - $37,280 - $122,770 * Acupuncturist - $46,270 - $113,440 | | | | | | * Dental Assistant - $26,750 - $48,970 * Nursing Assistant - $20,480 - $32,640 * Physical Therapist - $49,690 - $122,340 | | | | |

**Additional Related Post-Secondary Opportunities**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Located in Okmulgee, OK | **Oklahoma State University – Institute of Technology** |  |  | **Oklahoma City Community College** |
| **Construction Technology A.A.S.**   * Construction Management * Electrical Construction   **Engineering Technologies A.A.S.**   * Electrical / Electronics Technologies * Instrumentation Technologies   **Industrial Maintenance Technologies A.A.S.**   * Natural Gas Compression   **Bachelor of Technology Degree:**   * Instrumentation Engineering Technologies |  | * Engineering Technology A.A.S. |
|  |  |
|  | **Oklahoma State University – Oklahoma City** |
| Associates of Applies Science Degrees:   * Construction Management A.A.S. * Construction Techniques A.A.S. * General Engineering A.A.S. * Power Transmission & Distribution Tech. A.A.S. |
|  |  |  |
|  | **Southwestern Oklahoma State University** |  |
| **Bachelor of Science in Applied Engineering Management:**   * **Manufacturing Technology** * **Electronics Technology**   **Bachelor of Science in Engineering Technology**   * **Manufacturing Engineering Technology** |  |  |  |