Hazelwood School District
High Expectations For All!

Career Pathways Information

Hazelwood School District

Revised September 14, 2018

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Statement of Purpose: Career Pathways can give all students the academic preparation, guidance, career-related knowledge and flexibility to help them plan studies that are in line with their interests, abilities, and career goals. The Career Pathways framework reinforces the schools' fundamental objectives of academic accountability and improved achievement for all students.

This booklet has been designed to assist students and parents in organizing the student's educational and career plans. The Career Path format has been created to assist each student in developing a personalized six-year academic plan. Students should look at their interests, abilities, talents, and educational/career goals when choosing career pathways and then consider possible careers in each pathway. The intent is not for students to choose a specific occupation for the rest of their lives, but to explore career opportunities that are associated with each career path.

The use of the Career Pathways Handbook will aid students in planning for their futures. Career Pathways will help students focus on and provide relevance to their course selections throughout high school. Each path provides a suggested program of study for entry-level career to careers requiring a baccalaureate degree and beyond.

It is very important to realize that any educational and career plan should be reviewed at least once each year as interests, abilities, and options change with increased experience and information.

The district hopes parents and students find this booklet to be a helpful resource in identifying the opportunities that will be most meaningful to each student's future endeavors.

What are Career Pathways? Career Pathways are clusters of occupations that are grouped because many of the people in them share similar interests and strengths. All pathways include a variety of occupations that require different levels of education and training. Selecting a career path provides you with an area of focus, along with flexibility and a variety of ideas to pursue.

Career Pathways Available in the Hazelwood School District

- **Arts, A/V Technology and Communication**
  - **Visual Arts (2D and 3D)**
  - **Graphic Design**
  - **Audio/Visual Technology**
  - **Journalism**
  - **Acting**
  - **Musical Theatre**

- o **Technical Theatre**
- o **Vocal Music**
- o **Orchestra**
- o **Band**
- **Business, Management, and Technology**
  - o **Business Management Administration**
  - o **Finance**
  - o **Information Technology**
  - o **Marketing, Sales and Service**
- **Health Services**
  - o **Health Science**
- **Human Services**
  - o **Counseling and Mental Health Services**
  - o **Education and Training**
  - o **Government and Public Administration**
  - o **Restaurant Food and Beverage**
  - o **Fashion**
- **Science, Technology, Engineering, and Mathematics**
  - o **Engineering and Technology**
  - o **Architecture and Construction**
  - o **Computer Science**
  - o **Construction and Construction Trades**

Career Pathways Available at North County Technical School

- **Automotive**
  - o **Auto Body**
  - o **Automotive Technology**
  - o **Diesel Technology**
- **Construction Technology**
  - o **Carpentry**
  - o **Construction Innovations**
  - o **Construction Trades**
  - o **Electrical Trades**
  - o **Heating, Ventilation, and Air Conditioning**
- **Information Technology**
  - o **Cisco Networking Academy**
- **Human Services**
  - o **Cosmetology**
  - o **Hospitality and Hotel Management**
  - o **Firefighting**

- o **Law Enforcement**
- **Health Services**
    - o **Emergency Medical Technician**
    - o **Veterinary Assistant**
- **Manufacturing**
    - o **Welding**
    - o **Precision Machining**

Internships and Work Related Experiences: Students will be encouraged to incorporate an internship or work related experience to make their pathway more authentic. Suggestions for these types of experiences are listed on the following pathways. Experiences can be paid or unpaid and can be done after school, on the weekend, or through an established internship course.

Hazelwood School District Graduation Requirements: Students will need to make sure they meet all graduation requirements of the Hazelwood School District while pursuing their pathway.

Department	Credits Required
English Language Arts	4.0 credits
Mathematics	4.0 credits
Science	3.0 credits
Social Studies	3.0 credits
Fine Arts	1.0 credit
Practical Arts	1.0 credit
Personal Finance	.5 credit
Health Education	.5 credit
Physical Education	1.0 credit
Electives	6.0 credits
Total	24 credits

Extracurricular Activities: Students will be encouraged to participate in extracurricular (academic) activities to make their pathway more authentic. For example, extracurricular activities such as Future Business Leaders of America (FBLA), Robotics Team, and Distributive Education Club of America (DECA) will include competitive events in which students will compete with students from across the state. There are also clubs that do not offer competitive events, but will help to enhance the pathway experience; these clubs include The Thespians, Ambassadors Club, Science Club, and Anime Club.

Steps to Take

1. IDENTIFY YOUR INTERESTS, ABILITIES, AND TALENTS

- It is important to take a good look at yourself and have a clear understanding of what is important to you. There are a variety of ways to learn more about yourself. Examine your activities to identify what kinds of things you enjoy doing. Review the results of your standardized test scores and examine your grades to identify your strengths.

2. CONSIDER THE POSSIBLE CAREERS IN EACH CLUSTER

- Computer-based programs are available in the Guidance office. These programs are available to students during the school day, after school, and at other times by appointment. Students can access the Missouri Connections system through the internet at www.missouriconnections.org. The features include interests, skills, and work values assessments, a career portfolio, links to job opportunities, postsecondary options, financial aid information, and career development resources.

3. SELECT THE CAREER PATH THAT BEST FITS YOUR INTERESTS AND STRENGTHS.

4. INVESTIGATE AND DECIDE ON THE EDUCATIONAL PREPARATION NEEDED FOR THE CAREER PATH

- Your training or education may come from the military, vocational/technical schools, community colleges, universities, on the job training, apprenticeships, etc.

Talk to your counselor today about getting the correct courses on your plan of study to ensure a complete experience within your chosen pathway!!!

College Ready Indicators

Students are on track to being College Ready if they meet either the academic **or** the standardized testing benchmarks listed in the table below:

	Academic Standards	Standardized Testing Benchmarks
End of 5th Grade	● Score at least 950 on SRI; and ● Earn A, B, or C in 5th Grade Mathematics	● Proficient or Advanced on MAP Math GLA; and ● Proficient or Advanced on MAP ELA GLA
End of 8th Grade	● Score at least 1025 on SRI; and ● Earn A, B, or C in 8th Grade Math or Algebra 1	● Proficient or Advanced on MAP Math GLA; and ● Proficient or Advanced on MAP ELA GLA
End of High School	GPA 2.8 or above and **one or more** of the following indicators: ● Advanced Placement (AP) Exam Score of 3 or higher ● Earn A, B, or C in AP Course ● Earn A, B, or C in Dual Credit College English and/or Math course ● Earn A, B, or C in Algebra 2	Receive the following **minimum** scores on the ACT: ● English 18 ● Reading 22 ● Science 23 ● Math 22

Career Ready Indicators

Students are on track to being **Career Ready** if they have met the indicators listed in the below table at the appropriate benchmarks:

By the end of **elementary school**	90% Attendance (average of the years of attendance) - Participated in a service learning project
By the end of **middle school**	90% Attendance (average of the years of attendance) 10-15 hours of community service **or** participation in extra-curricular clubs/sports - Completed the Missouri Connection Inventory
By the end of **high school**	Identified a career interest **and** met 2 of the following behavioral and experiential benchmarks: 90% Attendance 50 hours of Community Service with 25 of the hours related to the student's identified career pathway - Workplace Learning Experience - Industry Credential - Dual Credit Career Pathway Course - Two or more organized Co-curricular Activities

Each Career Pathway in the Hazelwood School District will offer the following:
1. Sequence of courses that lead beyond high school
2. Workplace learning experience that provides students real-world understanding of career areas through internships or problem-based learning experiences
3. Opportunity to earn career certifications and/or college credit

Life Ready Indicators

Elementary School	Middle School	High School
- Lifelong Learning - Self-management for Educational Achievement - Transitions - Educational Planning for Life-long Learning - Integration of Self-knowledge into Life and Career Plans - Education and Career Requirements - Job Seeking Skills	- Lifelong Learning - Self-management for Educational Achievement - Transitions - Educational Planning for Life-long Learning - Integration of Self-knowledge into Life and Career Plans - Education and Career Requirements - Job Seeking Skills	- Lifelong Learning - Self-management for Educational Achievement - Transitions - Educational Planning for Life-long Learning - Integration of Self-knowledge into Life and Career Plans - Education and Career Requirements - Job Seeking Skills

Life Skills Indicators

	Life-long learning	Self-management for Educational Achievement	Transitions	Educational Planning for Life-long Learning	Integration of Self-knowledge into Life and Career Plans	Education and Career Requirements	Job Seeking Skills
By end of Grade 5	Demonstrate study skills and test-taking strategies to enhance academic achievement.	Demonstrate ability to complete assignments and/or tasks accurately within a specified time frame.	Develop an understanding of educational tasks and skills necessary to make a smooth transition to the middle school structure.	Recognize the importance of an educational plan.	Compare interests and strengths with those of workers in the global community.	Compare and contrast the training and educational requirements for a variety of careers.	Identify the skills needed to develop a portfolio.

	Life-long learning	Self-management for Educational Achievement	Transitions	Educational Planning for Life-long Learning	Integration of Self-knowledge into Life and Career Plans	Education and Career Requirements	Job Seeking Skills
By end of Grade 8	Consistently apply a system of study skills and test-taking strategies to promote academic success.	Consistently apply a self-management system to promote academic success.	Identify the information and skills necessary to transition to high school.	Design a four to six-year educational plan.	Develop an educational and career plan based on current interests, strengths, and limitations.	Identify the training and education required for occupations in career paths of interest.	Utilize a portfolio of middle school academic and work experience.

	Life-long learning	Self-management for Educational Achievement	Transitions	Educational Planning for Life-long Learning	Integration of Self-knowledge into Life and Career Plans	Education and Career Requirements	Job Seeking Skills
By end of Grade 12	Achieve educational levels necessary to reach, maintain, and continue with individual life-long learning goals.	Exhibit self-management skills necessary for educational achievement.	Utilize the achievement and performance skills necessary to transition to post-secondary options.	Apply information to revise and implement a personal educational plan necessary for life-long learning.	Utilize knowledge of the world of work; personal interests; and strengths and limitations to develop short- and long-term post-secondary plans.	Know and understand the levels of training and education required for life career goals.	Utilize appropriate job-seeking skills to obtain employment.

Hazelwood School District Individual Career and Academic Plan (ICAP)

(Name of School)

Name: _____

Graduation Year: _____

	Grade	Requirements/Credits	Credits	1st Semester	2nd Semester	Review Each Semester	Select a Career Path
Secondary	9	Language Arts	1			**9th Grade Review**	Select:
		Social Studies	1			Dates: _____ _____	
		Mathematics	1			Student's Signature(s):	**Career Cluster**
		Science	1				
		Health	1/2			_____ _____	FALSE
		P.E.	1/2			Parents/Guardians' Signature(s):	
		Electives or Fine/Practical Art Requirements	2			_____ _____	
						Advisor's Signature(s):	**Goal**
						_____ _____	
	10	Language Arts	1			**10th Grade Review**	A+ Program
		Social Studies	1			Dates: _____ _____	Career and Technical Ed Certificate
		Mathematics	1			Student's Signature(s):	Honor Diploma
		Science	1				Industry Recognized Credential
		Personal Finance	1/2			_____ _____	Missouri Seal of Biliteracy
		Fine/Practical Art	1			Parents/Guardians' Signature(s):	NCAA Eligibility
		P.E.	1/2			_____ _____	Accelerated Pathway
		Electives	3			Advisor's Signature(s):	Technical Skill Attainment
						_____ _____	
	11	Language Arts	1			**11th Grade Review**	
		Social Studies	1			Dates: _____ _____	**Postsecondary Goals**
		Mathematics	1			Student's Signature(s):	
		Science	1				
		Electives	4			_____ _____	_____
						Parents/Guardians' Signature(s):	_____
						_____ _____	
						Advisor's Signature(s):	**Postsecondary Options:**
						_____ _____	Directly to workforce
	12	Language Arts	1			**12th Grade Review**	Military
		Mathematics	1			Dates: _____ _____	Tech School/Area Career Center
		Electives	6			Student's Signature(s):	Vocational Training (Apprenticeship)
							2 year College
						_____ _____	transfer to 4 year college
						Parents/Guardians' Signature(s):	lead to workforce
						_____ _____	4 Year College or University
						Advisor's Signature(s):	Other:
						_____ _____	

Learning Opportunities					
	Educational/Career Goals	Work-Related Experiences	Extracurricular Activities	Co-curricular Activities	Assessments/Inventories/ Academic Results

Postsecondary

Educational/Career Goals	Work-Related Experiences	Extracurricular Activities	Co-curricular Activities	Assessments/Inventories/ Academic Results
Short-Term: Long-Term:	Apprenticeship Career Research Cooperative Education Employment Internship Job Shadow Mentorship Resume/Job Application/ Mock Interview Service Learning Project Volunteer	List with number of years involved and any positions held. Examples but not limited to: Athletics, Clubs, Leadership, Student Council.	List with number of years involved and any positions held. Example but not limited to: CTSO, Debate, Drama, Marching Band.	MO Connection Interest Inventory [ ] ACT: [ ] ASVAB: [ ] PSAT: [ ] SAT: [ ] ACT WorkKeys: [ ] Other: [ ] Career Fair/Expo: [ ] FAFSA Workshop/Filed: [ ] Scholarship Exploration: [ ]

HSD Minimum Requirements	College Prep Coursework (AP/Dual Credit/IB)			Postsecondary Applications	
	Class Name	Number of Hours	Transferability*	Institution Name	Stat
o American Civics exam o Missouri Constitution Exam o U.S. Constitution Exam o 30 min CPR/First Aid Instruction					
Language Arts – 4 credits					
Mathematics – 4 credits					
Social Studies – 3 credits					
Science – 3 credits					
Fine Art – 1 credit					
Practical Art – 1 credit					
Physical Education - 1 credit					
Health - .5 credt					
Personal Finance - .5 credit					
Electives- 7 credits					
Total of 24 credits + meet all graduation requirements					

Career and Technical Education Certificate Requirements

Name: _____

Graduation Year: _____

The student must meet all the requirements as follows:

❑ All Graduation Requirements

❑ CTE Concentrator, three or more credits in sequence in a department-approved career education program
   defined on the students ICAP, with Grade Point Average 3.0 on a 4.0 scale

❑ TSA/IRC

      Name of Assessment: _____

      Pass/Fail _____

      Date: _____

❑ Soft Skills/Business Skills Attainment (1 of 3 options)

      ❑ CTSO active participation in junior or senior year

      ❑ Letters of Recommendation

      ❑ Soft Skills/Ethics Assessment

❑ College and Career Readiness Measure

      ❑ ACT: _____

      ❑ ACT WorkKeys: _____

      ❑ ASVAB: _____

      ❑ SAT: _____

❑ 50 hours of work-based learning (Registered Apprenticeships, Cooperative Career Education Programs,
   internships, clinical settings, job shadowing, entrepreneurial experiences, school-based enterprises,
   structured business/industry field trips, service learning, or other opportunities that provide real-time,
   authentic work experiences)

❑ 95% attendance or greater for grades 9-12

For more information on the CTE Certificate Criteria visit: https://dese.mo.gov/sites/default/files/cte-certificate-criteria.pdf

ARTS, A/V TECHNOLOGY AND COMMUNICATION

If you are interested in working in this cluster, you have two avenues. One is to be the performer or artist. The other is to work behind the scenes to make the performance or publication happen. As a reporter, actor, or fine artist, you would use your creative talent to ensure that a concert or magazine is successful, you would use computers and sound equipment. The occupations in this cluster allow you to use your creativity, talent, and technical skills.

Programs of Study

- Visual Arts (2D and 3D)
- Graphic Design
- Audio/Visual Technology
- Journalism
- Acting
- Musical Theatre
- Technical Theatre
- Vocal Music
- Orchestra
- Band

Level of education and earnings in Missouri

On the job training: $23,800 - $45,900
Work experience (Certificate): $38,540 - 60,970
Associate Degree: $33,340 - $53,640
Bachelor's Degree: $27, 780 - $65,170
Higher education: $32,550 - $102,320

Core Curriculum

English:
Year 1: English 1
Year 2: English 2
Year 3: English 3 or AP Lang. & Comp.
Year 4: College Prep Eng./Speech 1 or AP Lit. & Comp.

Science:
Year 1: Physics
Year 2: Chemistry
Year 3: Biology

Math:
Year 1: Algebra 1 or Geometry
Year 2: Geometry or Algebra 2
Year 3: Algebra 2 or Pre Calculus
Year 4: Statistics or AP Statistics

Social Studies:
Year 1: US History
Year 2: World History
Year 3: Government

Arts, A/V Technology and Communications

Visual Arts 2D: Visual artists create art to communicate ideas, thoughts, or feelings. You would use a variety of methods such as painting, sculpting, and illustrating. You would create art to satisfy your need for self-expression. Or you might use your artistic skills at corporations; retail stores; and advertising, design, and publishing firms.

Pathway Courses

Year 1: Computer Applications 1
        Computer Applications 2

Year 2: Art & Design
        Drawing 1

Year 3: Drawing 2 or Painting 1
        Painting 1 or Painting 2

Year 4: Advanced Studio Art/Independent Study for
        Visual Arts or AP Art History

Related Electives

- Pottery 1 and 2
- Fiber Arts
- Stage Design 1
- Stage Design 2
- AP Art History
- Introduction to Graphic Design
- Web Design
- Foreign Language Sequence

Career Related Activities

- Art Club
- District Art Shows
- Capstone Portfolio
- Theatre Scene Design
- Float Design
- School Promotion Materials
- National Art Honor Society

College Majors (examples)

- Art History
- Art Preservation
- Studio Art
- Fine Arts
- Sculpture

Workplace Learning Experiences (examples)

- Internship at local art museum
- Local art apprenticeship

Careers (examples)

- Animators and Multimedia Artist
- Art Director
- Cartoonist
- Fashion Designers
- Artists
- Floral Designers
- Graphic Designers
- Industrial Designers
- Set and Exhibit Designers
- Sketch Artists

Arts, A/V Technology and Communications

Visual Arts 3D: Visual artists create art to communicate ideas, thoughts, or feelings. You would use a variety of methods such as painting, sculpting, and illustrating. You would create art to satisfy your need for self-expression. Or you might use your artistic skills at corporations; retail stores; and advertising, design, and publishing firms.

Pathway Courses

Year 1: Computer Applications 1
        Computer Applications 2

Year 2: Art & Design
        Drawing 1

Year 3: Pottery I
        Pottery 2

Year 4: Advanced Studio Art/Independent Study for
        Visual Arts or AP Art History

Related Electives

- Drawing 2
- Painting 2
- Fiber Arts
- Stage Design 1
- Stage Design 2
- AP Art History
- Introduction to Graphic Design
- Web Design
- Foreign Language Sequence

Career Related Activities

- Art Club
- District Art Shows
- Capstone Portfolio
- Theatre Scene Design
- Float Design
- School Promotion Materials
- National Art Honor Society

College Majors (examples)

- Art History
- Art Preservation
- Studio Art
- Fine Arts
- Sculpture

Workplace Learning Experiences (examples)

- Internship at local art Museum
- Local art apprenticeship

Careers (examples)

- Animators and Multimedia Artist
- Art Director
- Cartoonist
- Fashion Designers
- Artists
- Floral Designers
- Graphic Designers
- Industrial Designers
- Set and Exhibit Designers
- Sketch Artists

Arts, A/V Technology and Communications

Graphic Design: In the Graphic Design pathway, you will focus on two dimensional design to communicate a message through images, words, or graphics. Graphic designers use desktop publishing software and techniques in their practice. As a Graphic Designer, you might work for a computer company, a marketing or advertising company, a theatre company, or a convention center.

Pathway Courses

Year 1: Computer Applications 1
        Computer Applications 2
Year 2: Art & Design
        Drawing 1
Year 3: Introduction to Graphic Design
        Web Design
Year 4: Computer Graphics
        Advanced Studio Art

Related Electives

- Web Design
- Computer Science Essentials
- Creative Writing
- Drawing 2
- Painting 1 and 2
- Modern Media
- Scholastic Journalism 1, 2, & 3

Career Related Activities

- Photography
- DECA- Advertising
- Graphic Design
- Web Page Design
- Coding Club

College Majors (examples)

- Animation, Video Graphics, and Special Effects
- Computer Graphics
- Computer Programming
- Computer Science
- Marketing
- Advertising
- Game and Interactive Media Design
- Project Management
- Quality Control Technology

Workplace Learning Experiences (examples)

- Hazelwood School District Communications Dept. Internship
- Marketing Internship
- Advertising Internship
- Internship at local design firm
- Internship at website developer

Careers (examples)

- Photographer
- Marketing and Advertising
- Graphic Designer
- Computer Programmer
- Video Game Designers
- Video Game Testers
- Web Designer

Arts, A/V Technology and Communications

Audio/Video Technology: In the Audio/Video Technology and Film pathway, you work with the equipment used in producing sounds and images. You would make sure the equipment is available and working. You might work for hotels, convention centers, schools, movie theatres, and stadiums. Another option is to work for companies that rent or sell sound and video equipment.

Pathway Courses

Year 1: Computer Applications 1
        Computer Applications 2

Year 2: Introduction to Theatre
        Art and Design

Year 3: Stage Design 1
        Modern Media

Year 4: Introduction to Graphic Design
        Web Design or Computer Graphics

Related Electives

- Web Design
- Computer Science Essentials
- Creative Writing
- Drawing 2
- Painting 1 and 2
- Modern Media

Career Related Activities

- Photography
- DECA- Advertising
- Graphic Design
- Web Page Design
- Coding Club

College Majors (examples)

- Animation, Video Graphics, and Special Effects
- Computer Graphics
- Computer Programming
- Film
- Game and Interactive Media Design
- Project Management
- Quality Control Technology
- Playwriting or Screenwriting
- Photography

Workplace Learning Experiences

- Hazelwood School District Communications Dept. Internship
- Marketing Internship
- Advertising Internship
- Internship at local design firm
- Internship at website developer

Careers (examples)

- Photographer
- Marketing and Advertising
- Graphic Designer
- Computer Programmer
- Video Game Designers
- Video Game Testers
- Web Designer

Arts, A/V Technology and Communications

Journalism: In the Journalism pathway, you would make sure that radio and television programs and movies reach the public. You could prepare the content and make broadcasts. During the show, you could record or transmit the program. In addition, you could be involved with the publication of newspapers and magazines. As a writer or photographer, you would produce the stories or articles. As an editor, you would plan the content and assign the work.

Pathway Courses

Year 1: English 1

Year 2: Scholastic Journalism 1
          Modern Media

Year 3: Scholastic Journalism 2
          Speech 1

Year 4: Scholastic Journalism 3

Related Electives

- Speech 2
- Reading and Writing Workshop
- Creative Writing
- Acting 1 & 2
- Introduction to Theatre
- Foreign Language Sequence

Career Related Activities

- Yearbook
- Newspaper
- Photography
- School Twitter/Instagram/Youtube
- Creative Writing
- Drama Club/ Play Productions

College Majors (examples)

- Journalism
- Small Press Publishing
- Creative Writing
- Broadcasting
- Film

Workplace Learning Experiences

- Hazelwood School District Communications Dept. Internship
- Internship with local newspaper
- Internship with local TV station
- Internship with local radio station
- Internet Blogs

Careers (examples)

- Announcers
- Audio-Visual Specialist
- Broadcast Technician
- Camera Operator
- Editors
- Film and Video Editor
- News Reporter
- Photographer
- Professional Blogger/Podcaster
- Sound Engineering Technician
- Technical Writer
- Writer

Arts, A/V Technology and Communications

Acting: As a worker in the Acting pathway, you might be a performer or responsible for putting on plays and concerts. You could coordinate all the activities associated with putting on a concert or play. Or you might represent the actors or musicians to help them find jobs. Another option is to put on the live entertainment.

Pathway Courses

Year 1: Introduction to Theatre/Acting 1
Year 2: Acting 2/Stage Movement
Year 3: Stage Design 1
        Stage Design 2
Year 4: Honors Theatre Practicum
        Independent Study for Theater

Related Electives

- Speech I and II
- Popular Music
- Choir
- Music Theory
- Band
- Orchestra
- Creative Writing
- Foreign Language Sequence

Career Related Activities

- Drama Club
- Step Team
- Band
- Orchestra
- Choir
- Missouri State Thespian Conference
- Thespian Club

College Majors (examples)

- Art Administration
- Broadcasting Journalism
- Business Management and Administration
- Communication and Speech Studies
- Dance
- Directing Theater Production
- Dramatic Arts
- Fashion Design
- Film Studies
- Marketing
- Public Relations
- Music Composition and Theory
- Music
- Theatre Education

Workplace Learning Experiences

- Theatre company internships
- Play production/participation

Careers (examples)

- Actor
- Agent or Business Manager
- Announcer
- Choreographer
- Costume and Wardrobe Specialist
- Dancer
- Music Composer, Director, or Arranger
- Musician
- Producer or Director
- Professional Makeup Artist
- Singer
- Theatre Educator

Arts, A/V Technology and Communications

Musical Theatre: As a worker in the Musical theatre pathway, you might be a performer or responsible for putting on plays and concerts. You could coordinate all the activities associated with putting on a concert or play. Or you might represent the actors or musicians to help them find jobs. Another option is to put on the live entertainment.

Pathway Courses

Year 1: Choir (all four years)

Year 2: Intro to Theatre/Acting 1

Year 3: Acting 2
        Stage Movement

Year 4: Honors Theatre Practicum
        Independent Study for Theater

Related Electives

- Speech 1 and 2
- Stage Design 1 and 2
- Popular Music
- Music Theory
- Band
- Orchestra
- Creative Writing
- Foreign Language Sequence

Career Related Activities

- Drama Club
- Step Team
- Band
- Orchestra
- Choir
- Missouri State Thespian Conference

College Majors (examples)

- Art Administration
- Broadcasting Journalism
- Business Management and Administration
- Communication and Speech Studies
- Dance
- Directing Theater Production
- Dramatic Arts
- Fashion Design
- Film Studies
- Marketing
- Public Relations
- Music Composition and Theory
- Music
- Theatre Education

Workplace Learning Experiences

- Theatre company internships
- Musical production/participation

Careers (examples)

- Actor
- Agents or Business Manager
- Announcer
- Choreographer
- Costume and Wardrobe Specialist
- Dancer
- Music Composer, Director, or Arranger
- Musician
- Producer or Director
- Professional Makeup Artist
- Singer
- Theatre Educator

Arts, A/V Technology and Communications

Technical Theatre: As a worker in the Technical Theatre pathway, you might work behind the scenes or be responsible for putting on plays and concerts. You could coordinate all the activities associated with putting on a concert or play. Or you might represent the actors or musicians to help them find jobs. Another option is to put on the live entertainment.

Pathway Courses

Year 1: Intro to Theatre/Acting 1

Year 2: Stage Design 1/Woods and Construction
or Apparel and Textiles

Year 3: Stage Design 2/Metal Technology
or Adv. Apparel and Textiles

Year 4: Honors Theatre Practicum
Independent Study for Theater

Related Electives

- Introduction to Engineering Design
- Advanced Woods
- Fashion Construction and Design
- Business Management
- Marketing Fundamentals
- Computer Apps 1 and 2
- Metal Technology

Career Related Activities

- Drama Club
- Art Club
- Missouri State Thespian Conference
- Theatre Set Building
- Theatre Scene Design
- Theatre Stage Management
- Theatre Lighting or Sound Design
- Costume Design

College Majors (examples)

- Art Administration
- Technical Theatre
- Business Management and Administration
- Communication and Speech Studies
- Directing Theater Production
- Dramatic Arts
- Fashion Design
- Film Studies
- Marketing
- Public Relations
- Theatre Education

Workplace Learning Experiences

- Theatre company internships
- Play production/participation

Careers (examples)

- Set Designer
- Lighting Designer
- Sound Designer
- Stage Manager
- Costume Designer
- Set Construction Worker
- Agent or Business Manager
- Costume and Wardrobe Specialist
- Producer or Director
- Professional Makeup Artist
- Theatre Educator

Arts, A/V Technology and Communications

Vocal Music: As a worker in the Vocal Music pathway, you might be a performer or responsible for putting on concerts. You could coordinate all the activities associated with putting on a concert. Or you might represent musicians to help them find jobs. Another option is to put on the live entertainment.

Pathway Courses

Year 1: Mixed Choir, Girls/Boys Choir or Concert Choir*

Year 2: Popular Music in American History

Year 3: Music Theory 1/ Music Theory 2

Year 4: AP Music Theory

Students should participate in a Choir class all four years.

Related Electives

- Speech 1 and 2
- Introduction to Theatre
- Acting 1 and 2
- Stage Movement
- Concert or Symphonic Band/Concert or Symphonic Orchestra
- Marketing Fundamentals
- Foreign Language Sequence

Career Related Activities

- Drama Club
- Step Team
- Band
- Orchestra
- Choir
- Missouri State Thespian Conference
- Solo Ensemble Festival
- Choir Performances

College Majors (examples)

- Conducting
- Instrumental Performance
- Jazz
- Music
- Music Composition
- Music Education
- Music Therapy
- Music Theory

Workplace Learning Experiences

- Music related internships
- Choir performances
- Solo performances
- Musical Theatre participation

Careers (examples)

- Composer
- Conductor
- Musician
- Music Instructor
- Music Management
- Performer
- Music Educator
- Sound Designer

Arts, A/V Technology and Communications

Orchestra: As a worker in the Orchestra pathway, you might be a performer or responsible for putting on concerts. You could coordinate all the activities associated with putting on a concert. Or you might represent musicians to help them find jobs. Another option is to put on the live entertainment.

Pathway Courses

Year 1: Concert Orchestra or Symphonic Orchestra*

Year 2: Popular Music in American History

Year 3: Music Theory 1/ Music Theory 2

Year 4: AP Music Theory

Students should participate in an Orchestra class all four years.

Related Electives

- Speech 1 and 2
- Introduction to Theatre
- Acting 1 and 2
- Stage Movement
- Mixed Choir
- Boys/Girls Choir
- Concert Choir
- Marketing Fundamentals

Career Related Activities

- Drama Club
- Band
- Orchestra
- Choir
- Musical Orchestra Pit
- Solo/Ensemble Festival

College Majors (examples)

- Conducting
- Instrumental Performance
- Jazz
- Music
- Music Composition
- Music Education
- Music Therapy
- Music Theory

Workplace Learning Experiences

- Music related internships
- Orchestra performances
- Solo performances
- Musical Orchestra Pit

Careers (examples)

- Composer
- Conductor
- Musician
- Music Instructor
- Music Management
- Performer
- Music Educator
- Sound Designer

Arts, A/V Technology and Communications

Band: As a worker in the Band pathway, you might be a performer or responsible for putting on concerts. You could coordinate all the activities associated with putting on a concert. Or you might represent the musicians to help them find jobs. Another option is to put on the live entertainment.

Pathway Courses

Year 1: Concert Band or Symphonic Band*
Year 2: Popular Music in American History
Year 3: Music Theory 1/ Music Theory 2
Year 4: AP Music Theory

Students should participate in a Band class all four years.

Related Electives
- Speech 1 and 2
- Introduction to Theatre
- Acting 1 and 2
- Stage Movement
- Mixed Choir
- Boys/Girls Choir
- Concert Choir
- Marketing Fundamentals

Career Related Activities
- Drama Club
- Band
- Orchestra
- Choir
- Musical Orchestra Pit
- Solo/Ensemble Festival

College Majors (examples)
- Conducting
- Instrumental Performance
- Jazz
- Music
- Music Composition
- Music Education
- Music Therapy
- Music Theory

Workplace Learning Experiences
- Music related internships
- Band performances
- Solo performances
- Musical Orchestra Pit

Careers (examples)
- Composer
- Conductor
- Musician
- Music Instructor
- Music Management
- Performer
- Performing Arts Educator
- Sound Designer

BUSINESS, MANAGEMENT, AND TECHNOLOGY

If you are interested in the Business Management and Administration cluster, there are many career options. You may provide the needed support to keep a business in operation. Or you might keep track of the expenses and income. You could manage the financial activities of a business. Another option is to be sure that a business has qualified employees who are trained to do their jobs. Or after years of education or experience, you might direct the operations of a business.

Programs of Study

- Business Management Administration
- Finance
- Information Technology
- Marketing, Sales and Service

Level of education and earnings in Missouri

On the job training: $25,000 - $42,960
Work experience: $42, 210 - $48, 720
Associate Degree: $40,330 - $44,050
Bachelor's Degree: $47, 810 - $64,720
Higher education: $140,160

Business Management and Administration

Activities that I like to do:	Personal qualities that describe me:	Subjects that I like:
■ Perform routine, organized activities but can be flexible ■ Work with numbers and detailed information ■ Be the leader ■ Make business contact with people ■ Work with computer programs ■ Create reports and communicate ideas ■ Plan my work and follow instructions without close supervision	■ Organized ■ Practical and logical ■ Patient ■ Tactful ■ Responsible	■ Computer Applications /Business and Information Technology ■ Accounting ■ Math ■ English ■ Economics

Core Curriculum

English:
Year 1: English 1
Year 2: English 2
Year 3: English 3 or AP Lang & Comp
Year 4: College Prep Eng/ Speech 1 or AP Lit & Comp

Math:
Year 1: Algebra 1 or Geometry
Year 2: Geometry or Algebra 2
Year 3: Algebra 2 or Precalculus
Year 4: Statistics or Calculus or AP Statistics or AP Calculus

Science:
Year 1: Physics
Year 2: Chemistry
Year 3: Biology

Social Studies:
Year 1: US History
Year 2: World History
Year 3: Government or AP Government

Business, Management & Technology

Business Management Administration: If you were to work in the Administrative Support pathway, you would manage the activities of an office. You would use computers to perform clerical activities. One of your goals would be to ensure that information is collected and shared with staff and clients.

Pathway Courses

Year 1: Computer Business Apps 1
        Computer Business Apps 2

Year 2: Accounting 1
        Business Law

Year 3: Accounting 2
        Business Management & Leadership
        Marketing Fundamentals

Year 4: Business Technology
        Business Technology Internship

Related Electives

- Personal Finance
- Statistics
- Economics
- Speech 1 & 2

Career Related Activities

- Future Business Leaders of America (FBLA)

College Majors (examples)

- Accounting Technology and Bookkeeping
- Computer Science
- Data Entry and Processing
- Information Technology
- Office Support

Workplace Learning Experiences (examples)

- District Internships
- Assist in school front offices
- Assist in school libraries
- Assist in various other departments within the district as approved by Board of Education
- Receptionist
- Administrative Assistant

Careers (examples)

- Accountants and Auditors
- Audio-Visual Specialist
- Billing Clerks
- Broadcast Technicians
- Brokerage Clerks
- Court Clerks
- Insurance Policy and Claims Clerk
- Loan Clerk
- Payroll and Timekeeping Clerk
- Tax Prepares

Business, Management & Technology

Finance: In the occupations in the Finance cluster, you would keep track of money. You might provide financial services to a business or individual. Your work could include maintaining records or giving advice to business executives on how to operate their business. You could work in financial planning, banking, or insurance.

Pathway Courses

Year 1: Computer Business Applications 1
   Computer Business Applications 2

Year 2: Accounting 1
   Business and Personal Law

Year 3: Accounting 2
   Business Management & Leadership
   Marketing Fundamentals

Year 4: Business Technology
   Business Technology
   Internship

Related Electives
- Statistics
- Personal Finance
- Foreign Language Sequence

Career Related Activities
- Future Business Leaders of America (FBLA)
- Distributive Education Clubs of America (DECA)

College Majors (examples)
- Accounting
- Finance
- Business, Managerial Economics
- Insurance and Risk Management
- Actuarial Science
- International Business

Workplace Learning Experiences (examples)
- District Accounting Internships
- Accounting Firm
- Insurance Office
- Tax Preparation Office
- Title Company

Careers (examples)
- Accountant/ Auditor
- Financial Advisor
- Tax Preparer
- Insurance Agent
- Loan Officer
- Financial Counselor
- Insurance Underwriter
- Bank Teller

Business, Management & Technology

Information Technology: Information Technology (IT) is an area that is growing and always changing with new developments. In IT, you would be part of a cluster that continues to make an impact on society and individuals. You would have the opportunity to work in all types and sizes of businesses from Microsoft to your local hospital. Employees in Information Technology work with computer hardware, software, multimedia, and network systems. In this cluster, you might design new computer equipment or computer games. Or you might make sure that the software or networks are working. In addition, you might have to make sure that people know how to use them. Or you might manage whole networks that link workers in all parts of the world.

Pathway Courses

Year 1: Computer Business Apps 1
        Computer Business Apps 2

Year 2: Accounting 1
        Business and Personal Law

Year 3: Marketing Fundamentals
        Business Management & Leadership

Year 4: Business Technology
        Business Technology Internship

Related Electives

- Computer Science Essentials
- Computer Science Principles
- Statistics
- Economics
- Personal Finance

Career Related Activities

- Future Business Leaders of America (FBLA)
- Technology Student Association (TSA)

Careers (examples)

- Network Systems
- Information Supports & Services
- Interactive Media
- Computer Engineer
- Web Developer
- Database Administrator
- Computer Programmer

Workplace Learning Experiences (examples)

- Hazelwood School District Technology Department Internship
- Web Development Company

College Majors (examples)

- Computer Information Systems
- Computer Programming
- Computer Networking
- Interactive Digital Media
- Management Information Systems
- Cyber-Security

Business, Management & Technology

Marketing, Sales and Services: If you are interested in working in the Marketing cluster, you would help businesses sell products. You might advertise and promote products so customers would want to buy them. You might sell products and services directly to customers. Or you might use the Internet to reach customers.

Pathway Courses

Year 1: Computer Business Applications 1
Computer Business Applications 2

Year 2: Accounting 1
Business and Personal Law

Year 3: Accounting 2
Business Management & Leadership
Marketing Fundamentals

Year 4: Advanced Marketing 1
Advanced Marketing 2
Marketing Internship

Related Electives

- Personal Finance
- Statistics
- Economics
- Speech 1 & 2
- General Psychology
- Foreign Language Sequence

Career Related Activities

- Distributive Education Clubs of America (DECA)

College Majors (examples)

- Commercial and Advertising Art
- Entrepreneurial and Small Business Operations
- Fashion Merchandising
- Graphic Design
- Marketing
- Marketing Research
- Public Relations
- Real Estate

Workplace Learning Experiences (examples)

- Marketing Firm
- Advertising Agency
- Newspaper/Magazine Company
- District Internships
- Realtor Group

Careers (examples)

- Advertising Manager
- Buyers and Purchasing Agents
- Marketing Managers
- Property and Real Estate Managers
- Sales Manager
- Sales Representatives
- Telemarketers

HEALTH SERVICES

In the Health Science cluster you would promote health and wellness or diagnose and treat injuries and disease. You could work directly with people. Or you could work in laboratories to get information used in research or diagnosis. Health service employees go to work at a variety of different sites. Some work in hospitals, offices, or laboratories. Others work on cruise ships, at sports arenas, or within communities.

Programs of Study

- Health Science

Level of education and earnings in Missouri

On the job training: $21,580 - $35,530
Work experience: $29,250 - $45,160
Associate Degree: $21,710 - $74,350
Bachelor's Degree: $39, 660 - $160,270
Higher education: $52,910 - $196,920

Health Sciences

Activities that I like to do:	Personal qualities that describe me:	Subjects that I like:
■ Work under pressure	■ Compassionate and caring	■ Biological Sciences
■ Help sick people and animals	■ Good and following directions	■ Chemistry
■ Make decisions based on logic and information	■ Conscientious and careful	■ Math
■ Participate in health and science classes	■ Patient	■ Occupational Health
■ Respond quickly and calmly in emergencies	■ Good listener	■ Language Arts
■ Work as a member of a team		
■ Follow guidelines precisely and meet strict standards of accuracy		

Core Curriculum

English:
Year 1: English 1
Year 2: English 2
Year 3: English 3 or AP Lang & Comp
Year 4: AP Lit & Comp

Science:
Year 1: Prin.of Biomedical Sciences
Year 2: Chemistry
Year 3: Biology
Year 4: AP Biology or AP Chemistry

Math:
Year 1: Algebra 1 or Geometry
Year 2: Geometry or Algebra 2
Year 3: Algebra 2 or Pre Calculus
Year 4: Pre Calculus or Calculus or AP Calculus or AP Statistics

Social Studies:
Year 1: US History
Year 2: World History
Year 3: Government or AP Government

Health Services

Health Science: In the Health Science cluster you would promote health and wellness or diagnose and treat injuries and disease. You could work directly with people. Or you could work in laboratories to get information used in research or diagnosis. Health service employees go to work at a variety of different sites. Some work in hospitals, offices, or laboratories. Others work on cruise ships, at sports arenas, or within communities.

Pathway Courses

Year 1: Principles of Biomedical Science

Year 2: Human Body Systems

Year 3: Medical Interventions or Anatomy & Physiology

Year 4: Biomedical Innovations or Health Occupations or Anatomy and Physiology

Related Electives
- Anatomy & Physiology
- Child Development
- Advance Child Development
- Family Living
- Experimental Psychology
- AP Psychology
- Personal Fitness
- Lifeguard Training
- Sociology
- Organic Chemistry
- Biochemistry

Career Related Activities
- Health Occupations Student Association (HOSA)
- STEM Extravaganza

College Majors (examples)
- Health Records Administration
- Medical Coding
- Biological Sciences
- Chemistry
- Veterinary Sciences
- Pharmacy
- Nursing
- Dental Hygiene

Workplace Learning Experiences (examples)
- Health Occupation Clinicals
- Internships with local hospitals

Careers (examples)
- Athletic Trainer
- Biologist
- Dentist
- Healthcare Administration
- Pharmacist
- Physical Therapy Physician
- Registered Nurse
- Social Work
- Veterinary Science
- Dental Assistant
- Emergency Medical Technician
- Health Information Technology
- Massage Therapy
- Medical Laboratory Technician
- Practical Nurse
- Radiologic Technology
- Surgical Technology
- Funeral Services
- Paramedic

Human Services

In the Human Services cluster, you would work with individuals and families to meet their personal needs.

Programs of Study

- Counseling and Mental Health Services
- Education and Training
- Government and Public Administration
- Restaurant Food & Beverage
- Fashion

Level of education and earnings in Missouri

On the job training: $19,540 - $37,330
Work experience: $22,150 - $39,860
Associate Degree: $40,330 - $58,770
Bachelor's Degree: $34,200 - $64,720
Higher education: $82,760 - 140,160

Human Services		
Activities that I like to do:	**Personal qualities that describe me:**	**Subjects that I like:**
▪ Care about people, their needs and their problems	▪ Good communicator / good listener	▪ Language Arts
▪ Participate in community services and/or volunteering	▪ Caring	▪ Psychology / Sociology
▪ Listen to other people's viewpoints	▪ Non–materialistic	▪ Family and Consumer Sciences
▪ Help others be at their best	▪ Intuitive and logical	▪ Finance
▪ Work with people from preschool to old age	▪ Non–judgmental	▪ Foreign Language
▪ Think of new ways to do things		
▪ Make friends with different kinds of people		

Core Curriculum

English:
Year 1: English 1
Year 2: English 2
Year 3: English 3 or AP Lang & Comp
Year 4: AP Lit & Comp

Math:
Year 1: Algebra 1 or Geometry
Year 2: Geometry or Algebra 2
Year 3: Algebra 2 or Pre Calculus
Year 4: Statistics or AP Statistics

Science:
Year 1: Physics
Year 2: Chemistry
Year 3: Biology
Year 4: Anatomy and Physiology

Social Studies:
Year 1: US History
Year 2: World History
Year 3: Government/Sociology/Psychology
Year 4: AP Psychology

Human Services

Counseling and Mental Health Services: In the Counseling and Mental Health Services pathway, you would assist people with their problems. The problems may be related to personal, family, educational, or career issues. You would provide mental health care in hospitals, clinics, schools, or private offices.

Pathway Courses

Year 1: Child Development, Care & Guidance

Year 2: Advanced Child and
Human Development

Year 3: General Psychology

Year 4: Experimental Psychology
AP Psychology

Related Electives

- Nutrition and Wellness
- Exploring the Teaching Profession
- Teaching Profession Internship
- Independent Study
- Health Occupations 1
- Health Occupations 2
- Women's Studies
- AP Human Geography
- Justice and Social Issues
- Economics

Career Related Activities

- District Career Days
- District Career Nights
- Family Career and Community Leaders of America (FCCLA)
- Peer Mentor
- Service Learning
- Student Council
- Student Tutor

Workplace Learning Experiences (examples)

- Internships with local hospitals
- District internships
  - Work in school guidance department
  - Work with school social workers

College Majors (examples)

- Social Work
- Psychology
- Sociology
- Mental and Social Services
- Community Health Services
- Family Counseling
- Substance Abuse/ Addiction Counseling

Careers (examples)

- Art Therapist
- Child and Family Social Worker
- Clinical, Counseling and School Psychologist
- Mental Health Counselor
- Music Therapist
- Substance Abuse and Behavioral
- Disorder Counselor

Human Services

Education and Training: In the Education and Training cluster, you would have the opportunity to guide and train young people. As a teacher, you could influence young lives. In addition, you could support the work of the classroom teacher as a counselor, librarian, or principal. If you are interested in working with adults, you could provide training to employees in a business. Each of these settings provides you with the chance to help people learn and improve their lives.

Pathway Courses

Year 1: Family Living and Parenthood

Year 2: Child Development, Care and Guidance

Year 3: Advanced Child and Human Development

Year 4: Exploring the Teaching Profession & Teaching Profession Internship

Related Electives
- General Psychology
- Honors General Psychology
- Experimental Psychology
- Honors Experimental Psychology

Career Related Activities
- Service Learning
- Student Athletic Trainer
- Student Council
- Student Tutor
- Family Career and Community Leaders of America (FCCLA)

College Majors (examples)
- Library Science
- Multicultural/ESL Education
- School Administration
- School Counseling
- Early Childhood Education
- Primary Education
- Secondary Education
- Special Education
- Sport and Fitness Management
- Teaching Content Area

Workplace Learning Experiences
- A+ Tutoring
- Community Daycares
- Hazelwood School District Early Childhood Education Centers
- Exploring Teaching Classroom Experiences in Hazelwood School District Elementary Schools
- Exploring Teaching Classroom Experiences in Hazelwood School District Middle Schools

Careers (examples)
- Coach
- Education Administrator
- High School/Secondary Teacher
- Librarian
- Multicultural/ESL Teacher
- School Counselor
- Special Education Teacher
- Teacher Assistant
- Vocational Education Teacher

Human Services

Government and Public Administration: Through the national, state, and local governments, the public can express its will and make our way of life possible. Through government, individuals can act together to accomplish what cannot be done alone. Most of these actions are carried out only by the government. For example, the federal government includes the military for protection. It also includes ambassadors who represent us in foreign countries. It is Congress that passes laws. The Administration carries out and enforces those laws. You would find almost every occupation within the government. However, this Government and Public Administration career cluster focuses on those occupations that are unique.

Pathway Courses

Year 1: US History or Honors History

Year 2: World History or World History

Year 3: Government or AP Government

Year 4: AP Comparative Government

Related Electives
- Business & Personal Law
- Law Enforcement
  (North County Tech)
- Homeland Security & Preparedness
  (North County Tech)
- Domestic preparedness & Security
  (North County Tech)
- Foreign Language Sequence

Career Related Activities
- Leadership Council
- Speech Team
- Student Council
- Student Tutor

College Majors (examples)
- American Government and Politics
- City/Urban, Community and Regional Planning
- Political Communication
- Political Science and Government
- Public Administration
- Public Policy Analysis
- Urban Studies/Affairs

Workplace Learning Experiences (examples)
- Local city offices
- District internships
  - Work in district School Safety department
- Local newspaper

Careers (examples)
- Administrative Services Manager
- Chief Executive
- Emergency Management Director
- General and Operations Manager
- Legislator
- Political Scientist
- Postmaster and Mail Superintendent
- Public Relations Specialist
- Reporters and Correspondent
- Social and Community Service Manager

Human Services

Restaurants, Food, and Beverage: In the Restaurants and Food and Beverage Services pathway, you would make sure that customers received the food and drinks they ordered. You might prepare the food at a large restaurant or a fast-food business. You could take orders and deliver the food, or you could clean up after the customer leaves.

Pathway Courses

Year 1: Computer Applications

Year 2: Nutrition & Wellness

Year 3: Culinary Arts 1

Year 4: Culinary Arts 2

Related Electives

- Business Management & Leadership
- Business Technology
- Child Development, Care & Guidance
- Accounting 1
- Marketing Fundamentals
- Foreign Language Sequence

Career Related Activities

- Family, Career and Community Leaders of America (FCCLA)
- Speech Team

College Majors (examples)

- Baking and Pastry Arts/Baker/Pastry Chef
- Cooking and Related Culinary Arts, General
- Culinary Arts/Chef Training
- Hotel Administration/Management
- Restaurant/Food Services Management

Workplace Learning Experiences (examples)

- Ameristar Casino Food and Beverage Department
- Local fast food and fine dining restaurants
- District Internships
  - Work for district Child Nutrition Services Department
- Local catering companies

Careers (examples)

- Baker
- Chef and Head Cook
- Food Service Manager
- Hotel/Resort Manager
- Waiter/Waitress

Human Services

Fashion: In the Fashion pathway, you would work in the world of fashion. Whether it is behind the scenes manufacturing clothing and textiles, or working as a fashion designer and creating conceptual ideas for new lines of fashion. The fashion industry also plays a role in costume design for plays, musicals, movies, and television shows.

Pathway Courses

Year 1: Apparel and Textiles/Art and Design

Year 2: Advanced Apparel and Textiles/Drawing 1

Year 3: Fashion Merchandising/Drawing 2

Year 4: Fashion Construction and Design/ Computer Graphics

Related Electives

- Computer Business Applications 1 and 2
- Introduction to Graphic Design & Multimedia
- Marketing Fundamentals
- Advanced Marketing 1 and 2
- Foreign Language Sequence

Career Related Activities

- Family Career and Community Leaders of America (FCCLA)
- Peer Mentor
- Service Learning
- Student Council
- Student Tutor

College Majors (examples)

- Apparel Technology
- Textile Studies
- Fashion Design
- Fashion Studies
- Fashion Merchandising

Workplace Learning Experiences (examples)

- Local retail stores
- Local apparel printing/embroidery companies

Careers (examples)

- Costume Designer
- Fabric and Apparel Patternmaker
- Fashion Designer
- Pattern Designer
- Textile Knitting and Weaving Machine Setter, Operator and Tender
- Textile, Apparel and Furnishings Worker

Science, Technology, Engineering, & Mathematics

If you choose to work in the Science, Technology, Engineering, and Mathematics cluster, you have several avenues. One avenue is to do scientific research in laboratories or the field. Another option is to be involved in the planning and design of products and systems. The last avenue is to provide support to the scientists, mathematicians, and engineers so they can do their work.

Programs of Study

- Engineering and Technology
- Architecture and Construction
- Computer Science
- Construction and Construction Trades

Level of education and earnings in Missouri

Work experience (Certificate): $42,510 - $46,040
Associate Degree: $33,940 - $86,510
Bachelor's Degree: $33,940 - $102,220
Higher Education: $30,480 - $114,290

Science, Technology, Engineering and Math

Activities that I like to do:	Personal qualities that describe me:	Subjects that I like:
- Interpret formulas - Find the answers to questions - Work in a laboratory - Figure out how things work and investigate new things - Explore new technology - Experiment to find the best way to do something - Pay attention to details and help things be precise	- Detail–oriented - Inquisitive - Objective - Methodical - Mechanically inclined	- Math - Drafting - Physical Sciences - Construction Trades - Electrical Trades, Heat, Air Conditioning and Refrigeration, or Technology Education

Core Curriculum

English:
Year 1: English 1
Year 2: English 2
Year 3: English 3 or AP Lang & Comp
Year 4: AP Lit & Comp

Science:
Year 1: Physics
Year 2: Chemistry
Year 3: Biology
Year 4: AP Physics/AP Chemistry

Math:
Year 1: Algebra 1 or Geometry
Year 2: Geometry or Algebra 2
Year 3: Algebra 2 or Pre Calculus
Year 4: Pre Calculus or Calculus or AP Calculus or AP Statistics

Social Studies:
Year 1: US History
Year 2: World History
Year 3: Government or AP Government

Science, Technology, Engineering, & Mathematics

Engineering and Technology: To work in the Engineering and Technology pathway, you would solve problems involving design, development, or production. You would work on projects to evaluate problems and develop and test solutions. You could also provide advice and consultation.

Pathway Courses

Year 1: PLTW-Introduction to Engineering Design

Year 2: PLTW-Principles of Engineering

Year 3: PLTW-Digital Electronics
       PLTW-Aerospace Engineering

Year 4: PLTW-Engineering Design & Development

Related Electives

- Woods and Construction
- Advanced Wood and Construction
- Metal Technology

Career Related Activities

- STEM Extravaganza
- Robotics Team
- National Honor Society
- Technology Student Association (TSA)

College Majors (examples)

- Aerospace Engineering
- Mechanical Engineering
- Electrical Engineering
- Aeronautical Engineering
- Nuclear Engineering
- Industrial Engineering

Workplace Learning Experiences (examples)

- Local engineering companies

Careers (examples)

- Aerospace Engineer
- Mechanical Engineer
- Electrical Engineer
- Aeronautical Engineer
- Nuclear Engineer
- Industrial Engineer

Science, Technology, Engineering, & Mathematics

Architecture and Construction: In the Construction pathway, you would design and/or build cities, homes, and highways. You would put up or remodel buildings used for living and work or structures such as highways, streets, bridges, tunnels, and airports.

Pathway Courses

Year 1: Introduction to Engineering Design
Year 2: Principles of Engineering
Year 3: Civil Engineering and Architecture
Year 4: Engineering Design and Development

Related Electives

- Woods and Construction
- Advanced Wood and Construction
- Metal Technology
- Home Maintenance and Repair
- AP Environmental Science

Career Related Activities

- STEM Extravaganza
- National Honor Society
- Technology Student Association (TSA)

College Majors (examples)

- Civil Engineering
- Construction Management
- Architecture
- Drafting
- Engineering Drafting

Workplace Learning Experiences

- Local construction companies
- District internships
    - Work in district carpenter's shop.
    - Work for district maintenance department.

Careers (examples)

- Carpenter
- Construction Management
- Architect
- Civil Engineer
- Architectural Engineer
- Structural Engineer
- Drafting

Science, Technology, Engineering, & Mathematics

Computer Science: To work in the Computer Science pathway, you would develop essential skills such as problem solving, critical and creative thinking, communication, collaboration, and perseverance while learning and building knowledge in skills in Computer Science such as designing and building apps and cybersecurity.

Pathway Courses
Year 1: PLTW-Computer Science Essentials
Year 2: PLTW-Computer Science Principles
Year 3: PLTW-Computer Science A
Year 4: PLTW-Cybersecurity

Related Electives
- Computer Business Apps 1 & 2
- Web Design
- Business Technology

Career Related Activities
- STEM Extravaganza
- Robotics Team
- National Honor Society
- Technology Student Association (TSA)

College Majors (examples)
- Computer Science
- Information Technology
- Hardware Engineering
- Software Engineering

Workplace Learning Experiences
- Local technology companies
- Hazelwood School District Technology Department

Careers (examples)
- Computer Programmer
- Hardware/Software Engineer
- Web Developer
- IT Architect
- Web Developer

Science, Technology, Engineering, & Mathematics

Construction and Construction Trades: To work in the Construction pathway, you will be designing, planning, managing, building or maintaining the structures where we live, work and play.

Pathway Courses

Year 1: Introduction to Engineering Design
Year 2: Principles of Engineering
Year 3: Wood Technology/Metal Technology
Year 4: Advanced Wood Technology/Home Repair And Maintenance

Related Electives

- Computer Business Apps 1 & 2
- Art and Design
- Drawing 1 and 2
- North County Tech programs related to interest

Career Related Activities

- STEM Extravaganza
- Robotics Team
- National Honor Society
- Technology Student Association (TSA)

College Majors (examples)

- Construction Management
- Architectural Drafting

Workplace Learning Experiences

- District internships
  - Work in district carpenter's shop.
  - Work for district maintenance department.
- Various related unions
  - Contact local unions to determine entrance requirements.

Careers (examples)

- Architectural Drafter
- Carpenter
- Electrician
- HVAC
- Painter
- Plumber
- Building Inspector
- Sheet metal worker

Career Pathway Opportunities at

North County Technical School

North County Technical School

North County Technical School (Tech) is an option for students who want to pursue a career pathway in which Hazelwood does not offer. Below are some frequently asked questions that will help students who are interested in enrolling there as a part time student or a full time student.

Students will work with North County Technical staff and their Hazelwood School District guidance counselor to ensure the correct enrollment procedures.

FAQ's – Partial Day

HOW DO I APPLY?

- Complete an application online at www.northtechnical.org.
- Meet with your school's admission representative to complete the application process.

WHO CAN APPLY TO TECH?

- All students attending St. Louis County high schools can apply to Tech. County residents who are home schooling or attending private schools are also eligible to apply.

WHEN SHOULD I APPLY?

- Students can apply for Tech at any time, but use the guidelines below to ensure your application is reviewed in a timely manner.
  - Freshmen who want to attend Tech in the fall of sophomore year
    - Begin applying January of freshman year
  - Sophomores who want to attend Tech in the spring of sophomore year
    - Begin applying at the beginning of sophomore year
  - Sophomores who want to attend Tech in the fall of junior year
    - Begin applying at the beginning of sophomore year
    - Applications accepted all year, but space in programs will fill quickly
  - Juniors who want to attend Tech in the spring of junior year
    - Begin applying at the beginning of junior year
- Acceptance rounds begin in late fall and continue through the school year. It is important to apply early because some programs will fill as early as January. Students are strongly encouraged to apply as soon as they have decided they want to attend Tech.

WHEN WILL I KNOW IF I AM ACCEPTED?

- After each acceptance round, North Tech will notify students, parents, and sending school counselors if they were accepted. Eligible applications remain in consideration throughout the school year and will be considered during each round. Applications are accepted in order of rubric score.

- If a program fills, all remaining eligible applicants are put on a waiting list. Waiting lists will be consulted every time a vacancy arises. Wait list students will continue to be offered spots throughout the summer and into the first few days of the school year.

IS THERE A TUITION COST?

- No, Tech is free for eligible applicants.

DO I EARN HIGH SCHOOL OR COLLEGE CREDIT?

- Yes, our Tech majors earn 1.5 high school credits per semester. Most majors offer elective credit, but some also have academic credits incorporated. Both a student's earned credit and grade are sent to their home high school and are included in their transcript and GPA. Most Tech majors also offer articulated college credit and/or dual college credit opportunities.

WHERE CAN I GET MORE INFORMATION?

- Details about all of our programs are available on our website: www.northtechnical.org. Or call 314.989.7600 for additional information.

FAQ's – Full Day

HOW DO I APPLY?

- Complete an application online at www.northtechnical.org.
- Meet with your school's admission representative to complete the application process.

WHO CAN APPLY TO TECH?

- All students attending St. Louis County high schools can apply to Tech. County residents who are home schooling or attending private schools are also eligible to apply.
- Students must meet full day requirements in addition to pre-requisites for their chosen program.

WHAT ARE THE BENEFITS OF ATTENDING NORTH TECH FULL DAY?

- Fully immerse yourself into your technical program — Full day students have the opportunity to spend extra time in their CTE program during advisory period each day. It is also common for academic teachers to collaborate with CTE teachers to create lessons that are relevant for students and their career goals.
- Small class sizes — North Tech keeps full day classes small, allowing you to pursue a more rigorous curriculum with tremendous support from your teachers.
- Student Athletics — Full day students have the exclusive opportunity to join North Tech's sports teams.

- A diverse and supportive environment — North Tech full day students join us from all over North St. Louis County. We celebrate our diversity and create an environment that welcomes all.

WHEN SHOULD I APPLY?

- Priority for full day consideration will be given to applicants who apply prior to June 1st. Applicants should follow the guidelines listed on the Partial Day FAQ page.

IF I AM ACCEPTED, DO I ONLY ATTEND NORTH TECH?

- Yes, when you are accepted full day at North Tech, we become your high school. You will take both academic classes and your career major class at our school. Additionally, you can choose to participate in our many sports and clubs, school dances, and other events offered exclusively to North Tech full day students.

WHEN WILL I KNOW IF I AM ACCEPTED?

- Students applying for Full Day acceptance can be accepted as a Partial Day student while their application remains in consideration. Please refer to the Partial Day FAQ page for additional information.

IS THERE A TUITION COST?

- No, full day enrollment at Tech is free for eligible applicants.

IS NORTH TECH AN A+ SCHOOL?

- Yes. North Tech is a Missouri A+ school. The A+ Scholarship Program offers students the opportunity to earn money for college attendance at one of many approved community and technical colleges throughout the state.

WHERE CAN I GET MORE INFORMATION?

- Details about all of our programs are available on our website: www.northtechnical.org/full-day or call 314.989.7600 for additional information.

PREREQUISITES

- When applying for North Tech, the following prerequisite chart should be referenced to determine a student's eligibility. Because acceptance is ongoing during the school year, the entry requirements shift to ensure that applicants remain on track in their core graduation requirements.

Partial Day Requiremetns	At Time of Application Prior to December 15	At Time of Application Prior to May 15	At Time of Enrollment and/or time of Application after May 15
If Applying to be a Sophomore		Minimum of 1.5 core	Minimum of 3 core (of which .5 must be in English Language Arts)
If Applying to be a Junior	Minimum of 3 core (of which .5 must be in English Language Arts)	Minimum of 5 core (of which 1 must be in English Language Arts)	Minimum of 7 core (of which 1.5 must be in English Language Arts)
If Applying to be a Senior	Minimum of 7 core (of which 1.5 must be in English Language Arts)	Minimum of 9.5 core (of which 2 must be in English Language Arts)	Minimum of 11 core (of which 2.5 must be in English Language Arts)

Full Day Requirements	Current 9th Grade Applicants Entering Full Day Sophomores	Current 10th Grade Applicants Entering Full Day Juniors	Current 11th Grade Applicants Entering Full Day Seniors
Minimum Required Credits at Time of Application	3	9	15
Minimum Required Credits for Admission	6	12	18
Required Total Core Credits Earned	3 Core of which 1 is English Language Arts	8 Core of which 1.5 is English Language Arts	11 Core of which 3 is English Language Arts
End of Course (EOC) Exam Requirements	Ninth Grade English EOC	Ninth Grade English and Algebra 1 EOCs	Ninth Grade English, Tenth Grade English and Algebra 1 EOCs
Maximum Age	17	19	20

PREREQUISITES (con't)

- In addition to the minimum prerequisites listed on the previous page, the following requirements must also be met either at the time an application is submitted or at the time of enrollment, depending on the program. If these requirements are not met, progress will be checked after semesters are completed. Applications will remain pending until requirements are satisfied. Please see the individual program pages for details.

CISCO	1 credit Algebra
COSMETOLOGY	12 credits total at start of program
ELECTRICAL TRADES	1 credit Algebra
EMT	1 credit Algebra
	1 credit lab based Science
	"C" or higher in previous semester English
	17 credits total at start of program
FIREFIGHTING	1 credit or concurrent Algebra
	1 credit lab based Science
	"C" or higher in previous semester English
VETERINARY	1 credit Biology or concurrent enrollment

Prerequisites are subject to change. While students and counselors will be notified of these changes, the most current list will be available on our website at www.northtechnical.org/programs.

PATHWAY DESCRIPTIONS

Automotive

- ### *Auto Body*
  - Our Auto Body major focuses on the repair and appearance of the interior and exterior of vehicles. Students learn how to assess, estimate, and repair using modern welding, sanding, masking and painting techniques and the same advanced equipment found in professional auto collision repair companies. Students can earn I-CAR Certification and advanced college credit from State Technical College in Missouri.

- ### *Automotive Technology*
  - Our Automotive Technology major is driven by the 4 main systems of vehicle operation: brakes, suspension and steering, engine performance, and electrical/electronics. Students will diagnose, service, and repair a wide range of vehicles alongside their ASE certified Master Technician instructor. The classroom includes modern diagnostic equipment which students operate as they work toward multiple ASE Certifications.

- ### *Diesel Technology*
  - Our Diesel Technology major trains students to analyze and repair the complex electrical, hydraulic, and fuel systems of today's semi-trucks and heavy construction equipment. Students will troubleshoot, overhaul, and assemble diesel engines using the same equipment and techniques as professional mechanics.

Construction Technology

- ### *Carpentry*
  - Our Carpentry major helps students build a skill set including framing, estimating, roofing, and interior finishing. Students learn how to read and interpret blueprints and build structures using a wide range of professional power tools and carpentry materials.

- ### *Construction Innovations*
  - Our Construction Innovations major allows students to customize a year or semester of construction exploration to match their interests. A wide variety of quarter long courses give students a solid foundation of basic knowledge and experience. Students can continue into an Advanced Construction course in their second year.
  - Students choose from: Carpentry, Electrical Trades, General Construction, or Heating, Ventilation, & Air Conditioning

- ### *Construction Trades*
  - Our Construction Trades major provides students with general skills in carpentry, masonry, plumbing, electricity, and heating and cooling. Projects allow students to take complete construction projects from blueprints to completion.

- ***Electrical Trades***
  - o Our Electrical Trades major teaches students how to design, stage, and install commercial and residential electrical wiring for power and telecommunications systems. Skills include blueprint interpretation, layout design, and programming equipment while emphasizing logical thinking.
- ***Heating, Ventilation, and Air Conditioning***
  - o Our HVAC major teaches students to design, install, repair and maintain residential and commercial refrigeration, heating and air conditioning systems. Students will learn blueprint reading, electrical schematics, and operational sequence charts as they progress toward certification.

Information Technology

- ***Cisco Networking Academy***
  - o Our Cisco Networking Academy is an advanced course in which students learn how to design, install and troubleshoot complex computer networks. Students will navigate a variety of projects as they complete Cisco's curriculum in preparation for their certification exams.

Human Services

- ***Cosmetology***
  - o Our Cosmetology major offers the same curriculum as a beauty college including all hair, nail, and skincare services. Students learn in a full-service salon along with classroom instruction from licensed Cosmetologists.
- ***Hospitality and Hotel Management***
  - o Our Hospitality & Hotel Management major immerses students into this exciting and people-centered career pathway. Students learn about event planning, social media marketing, customer service and sales, banquets and branding from industry professionals who work for one of the largest hotel companies in the world. Opportunities are available to shadow and potentially intern at well-known St. Louis hotels.
- ***Firefighting***
  - o Our Firefighting major is an academy level course that allows students to do the bulk of their required Fire Academy hours at the high school level. Using a wide range of firefighting and life-saving equipment, students develop their skills through rigorous mental and physical training.
- ***Law Enforcement***
  - o Our Law Enforcement major introduces students to the Police Academy through an array of training exercises, crime scenarios, self-defense and fitness training. Students will learn conflict mediation and resolution, investigation techniques, and be trained in the use of advanced security related training equipment, including vehicles.
- ***Emergency Medical Technician***
  - o Our Emergency Medical Technician major brings students into real world emergency scenarios. Students are trained to perform detailed trauma

patient assessments using advanced medical and diagnostic equipment, including ambulances.

- *Veterinary Assistant*
  - o Our Veterinary Assistant major explores the science of veterinary medicine including animal care and training, clinical procedures, medical terminology, grooming, and disease prevention. Students interact daily with a wide variety of animals fostered in our facilities, providing their medical care, while learning from certified professionals.

Manufacturing

- *Precision Machining*
  - o Our Precision Machining major teaches students to invent, design, and manufacture tools and components for a wide range of production needs. Using advanced computer controlled technology, 3D printing, and traditional machining skills, students develop projects designed with MasterCAM software and computer aided design (CAD).
- *Welding*
  - o Our Welding major trains students to design, engineer, build, and troubleshoot complex metal fabrication challenges. Through high-level training, competitions, and work ethic, students perfect modern welding processes while earning welding certifications.