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Please see the student handbook for a complete listing of all requirements for graduation

CURRICULAR AREAS	Graduation
COMMUNICATION SKILLS	4 units (Must include 1 unit in a core English class for each grade 9-12)
SOCIAL STUDIES	3 units (Must include 1 unit Am. History, 1 unit World History, 1/2 unit American Government and 1/2 unit Modern Global Issues)
MATHEMATICS	3 units (Must include 1 unit Algebra I and 1 unit Geometry or Algebra/Geometry I, Algebra/Geometry II, and Algebra/Geometry III) *The Algebra/Geometry sequence is being phased out starting 2022-23 and will not be an option for the class of 2026 and beyond.)
SCIENCE	3 units (Must include 1 unit Biology I or Advanced Studies Biology I and 1 unit Advanced Studies Chem., Chem. I or Fundamentals of Physics and Chemistry)
FINE ARTS	1 unit
PRACTICAL ARTS	1 unit
PHYSICAL EDUCATION	1 unit (Must include 1/2 unit of Foundations of Fitness)
PERSONAL FINANCE	1/2 unit
HEALTH	1/2 unit
ELECTIVES	9 units
Totals	26 units

# POST-HIGH SCHOOL EDUCATION ADMISSIONS REQUIREMENTS

<b>CURRICULAR AREAS</b>	<b>Selective Missouri Public 4 Year College Credit Requirements*</b>	<b>Other Missouri Public 4 Year Colleges Credit Requirements*</b>	<b>Community &amp; Technical Colleges (I.E. Metropolitan Community Colleges, etc.)</b>	<b>Military Careers</b>	<b>Apprenticeships</b>
<b>COMMUNICATION SKILLS</b>	4 Units	4 Units	<b>HIGH SCHOOL Diploma, High School Equivalency Certificate (HSE) Or A Certificate Of Completion Of Home School Program</b>	<b>HIGH SCHOOL Diploma Or A Certificate Of Completion Of Home School Program</b>	<b>MOST REQUIRE A High School Diploma or High School Equivalency Certificate (HSE) And Must Be At Least 18 Years Of Age</b>
<b>SOCIAL STUDIES</b>	3 Units Govt. 1/2	3 Units Govt. 1/2			
<b>MATHEMATICS</b>	4 Units Alg. 1 & Higher	3 Units Alg. 1 & Higher			
<b>SCIENCE</b>	3 Units No General Science 1 Must Be a Lab Class	3 Units No General Science 1 Must Be a Lab Class			
<b>FINE ARTS</b>	1 Unit	1 Unit			
<b>PRACTICAL ARTS</b>	0 Units	0 Units			
<b>PHYSICAL EDUCATION</b>	0 Units	0 Units			
<b>ADDITIONAL ELECTIVES</b>	2 Units 2 Years of The Same Foreign Language	3 Units Selected from Foreign Language &/Or core courses			
<b>OTHER REQUIREMENTS</b>	Appropriate class rank and a minimum score on the ACT	Appropriate class rank and ACT score			

\*This information is provided as a general guideline and is subject to change. Always check with the college you are considering for specific, updated requirements.

# IMPORTANT INFORMATION FOR STUDENTS:

**Enrollment Website - <https://lsnhs.lsr7.org/enrollment/>**

- Career and Educational Planning Guide w/all Course Descriptions & Career Pathway Info
- Enrollment Timeline
- Applications for Senior Work Programs, Yearbook, Newspaper, Library Assistant, Clerical Aide,
- How to Enter Courses in Powerschool
- Spring Enrollment Conferences - setting up an appointment for you and parent
- 2024-25 LSN Enrollment Form

**Summer School - <http://summerschool.lsr7.org/> or type in google search lsr7 summer school (Summer School dates subject to change)**

- Summer School will be at Lee's Summit High School (22 days- PE, Health, and Personal Finance classes at East Trails Middle School)
- Session 1 - May 29 - June 12
- Session 2 - June 13 - June 28
- 11 day Classes - 7:00 - 12:30 p.m.
- 22 day Classes - 6:30 - 9:10 a.m. and 9:20 - 12:00 p.m.
- Enrollment begins Tuesday, February 2nd, 2024 at 3 p.m.

**Online Classes - <https://r7oa.lsr7.org/>**

## 2024-2025 MOCK PLAN

1st Semester	2nd Semester
1. English _____	English _____
2. Soc. Studies _____	Soc. Studies _____
3. Math _____	Math _____
4. Science _____	Science _____
5.	
6.	
7.	
Alt:	Alt:
Alt:	Alt:
Zero Hr/Online	

## Reminders for Sophomore to be Juniors:

1. Please be sure to sign up for an English, Social Studies, Math and Science class. Your current teacher will be making a recommendation for you in powerschool for each of these classes. Recommendations will be made by February 2nd.
  - a. For Soc. Studies, you must sign up for either IB History or Modern Global Issues and American Government.
  - b. If you are applying to STA, Cass, Herndon/CAPS, or MIC, please choose a full schedule at this time. Complete the online application by February 16th. Once you are notified of admission, your counselor will change your requests to reflect STA, Cass, Herndon, or MIC.
  - c. If you are applying for Longview Classes through the Early College Program, please choose a full schedule at this time. Complete the application and submit by February 16th. Once you are accepted, a Longview representative will meet with you to talk about your classes and schedule.
2. For the rest of your selections, please concentrate on your graduation requirements, pre-requisites, and preparation for future postsecondary and career plans. Refer to the Career and Educational Planning Guide on the enrollment website for courses that match career and postsecondary choices and decisions.
3. Finally, you will need to enter your requests into PowerSchool. Directions for this have been provided to you on the instruction sheet. You may enter requests from February 2nd - February 16th.
4. Feb 12th-16th is enrollment week. You will be meeting individually with your Mentors during this week. The Mentors will be checking to make sure you have completed the enrollment process accurately.
5. Finally, schedule a Spring Enrollment Conference with your parent/guardian and mentor for February 27th (in person) or February 29th (virtual). You may schedule this conference through the enrollment website or LSN website. Spring Enrollment Conferences are REQUIRED.

# HAPPY ENROLLMENT



# LEE'S SUMMIT NORTH ENROLLMENT WORKSHEET 2024-2025

**DIRECTIONS:** Before selecting courses, check the course description booklet for special requirements or prerequisites. If you have questions about your eligibility for a course, check with a counselor or your mentor before enrolling. T=Elective that requires teacher approval A=Application required for enrollment

## ENGLISH LANGUAGE ARTS

HS1090	Reading Strategies		1.0	9	10	11	12
HS1089	Reading Lab		1.0	9	10	11	12
HS1009	English 9		1.0	9			
HS1059	Advanced Studies English 9		1.0	9			
HS1010	English 10		1.0		10		
HS1050	Advanced Studies English 10		1.0		10		
HS1011	English 11		1.0			11	
HS1021	English 11 Honors		1.0			11	
HS1012	English 12		1.0				12
HS1022	English 12 Honors		1.0				12
HS1052	College Credit English 12	A	1.0				12
HS1811	IB English A1 HL 11 <sup>th</sup>		1.0			11	
HS1812	IB English A1 HL 12 <sup>th</sup>		1.0				12

## ELECTIVES

HS1081	Intro to Creative Writing		0.5	9	10	11	12
HS1060	Adv. Creative Writing	T	0.5		10	11	12
HS1065	Debate I		1.0	9	10	11	12
HS1066	Advanced Debate	T	1.0		10	11	12
HS1064	Competitive Dramatics		1.0	9	10	11	12
HS1085	Mass Media in Modern Society		0.5		10	11	12
HS1087	News for Print and Online I	T A	1.0	9	10	11	12
HS1088	News for Print and Online II	T	1.0		10	11	12
HS1082	Intro to Yearbook	T A	1.0	9	10	11	12
HS1063	Advanced Yearbook	T	1.0		10	11	12
HS1080	Intro to Broad/Video Tech		1.0	9	10	11	12
HS1062	Adv. Video Technology	T	1.0		10	11	12
HS1061	Adv. Broadcasting	T	1.0		10	11	12
HS1093	Sports Broadcasting	T	1.0		10	11	12
HS1813	IB Film SL	T	1.0			11	12
HS1814	IB Film HL	T	1.0			11	12
HS1067	Editorial Lead-Broadcast	T	1.0			11	12
HS1068	Editorial Lead-Newspaper	T	1.0			11	12
HS1069	Editorial Lead-Yearbook	T	1.0			11	12

## MODERN LANGUAGE

HS2031	Spanish I		1.0	9	10	11	12
HS2032	Spanish II	T	1.0	9	10	11	12
HS2033	Spanish III	T	1.0		10	11	12
HS2034	Spanish IV	T	1.0			11	12
HS2832	IB Spanish V SL	T	1.0				12
HS2831	IB Spanish IV HL	T	1.0			11	12
HS2833	IB Spanish V HL	T	1.0				12
HS2036	Spanish for Heritage Speakers I		1.0	9	10	11	12
HS2037	Spanish for Heritage Speakers II	T	1.0		10	11	12
HS2011	German I		1.0	9	10	11	12
HS2012	German II	T	1.0	9	10	11	12
HS2013	German III	T	1.0		10	11	12
HS2014	German IV	T	1.0			11	12
HS2811	IB German V SL	T	1.0				12
HS2001	French I		1.0	9	10	11	12
HS2002	French II	T	1.0	9	10	11	12
HS2003	French III	T	1.0		10	11	12
HS2004	French IV	T	1.0			11	12
HS2801	IB French IV HL	T	1.0			11	12
HS2802	IB French V SL	T	1.0				12
HS2803	IB French V HL	T	1.0				12
HS2021	Mandarin Chinese I		1.0	9	10	11	12
HS2022	Mandarin Chinese II	T	1.0	9	10	11	12
HS2023	Mandarin Chinese III	T	1.0		10	11	12
HS2024	Mandarin Chinese IV	T	1.0			11	12
HS2025	IB Mand Chinese V	T	1.0				12

## SOCIAL STUDIES DEPARTMENT

HS3006	American History		1.0	9			
HS3001	Advanced Studies American History		1.0	9			
HS3003	World History		1.0		10		
HS3002	Advanced Studies World History		1.0		10		
HS3004	Modern Global Issues		0.5			11	12
HS3005	American Government		0.5			11	12
HS3802	IB History of the Americas HL 11 <sup>th</sup>		1.0			11	
HS3803	IB History of the Americas HL 12 <sup>th</sup>		1.0				12

## ELECTIVES

HS3010	Origins of Western Civil	T	0.5			11	12
HS3008	Non-Western History	T	0.5			11	12
HS3022	Social St. Topics: Holocaust History	T	0.5			11	12
HS3025	Social St. Topics: Women's Studies	T	0.5			11	12
HS3012	Sociology I	T	0.5			11	12

HS3013	Sociology II	T	0.5			11	12
HS3007	Contemporary Issues	T	0.5			11	12
HS3016	Economics	T	0.5			11	12
HS3017	Comparative Government	T	0.5			11	12
HS3018	General Psychology	T	0.5			11	12
HS3808	IB Psychology SL	T	1.0			11	12
HS3806	IB Psychology HL 11 <sup>th</sup>	T	1.0			11	
HS3807	IB Psychology HL 12 <sup>th</sup>	T	1.0				12
HS3801	IB Cult. and Social Anthro SL	T	1.0			11	12

## MATH DEPARTMENT

HS4008	Algebra I Lab		1.0	9	10		
HS4013	Geometry Lab		1.0		10	11	
HS4014	Algebra II Math Lab		1.0			11	12
HS4000	Pre-Algebra		1.0	9			
HS4001	Algebra I		1.0	9	10	11	
HS4039	AMPED on Algebra*		1.0	9	10		
*(Students must also enroll in AMPED on Business)							
HS4023	Geometry		1.0	9	10	11	12
HS4009	Geometry in Construction (MATH)*		1.0	9	10		
*(Students must also enroll in Geom in Construction EIT)							
HS4005	Adv Studies Geometry		1.0	9			
HS4026	Intermediate Algebra II		1.0			11	12
HS4002	Algebra II		1.0		10	11	12
HS4004	Advanced Studies Algebra II		1.0		10		
HS4804	IB Math: Applications/Interpretations SL		1.0			11	12
HS4030	Pre-Calculus		1.0			11	12
HS4019	Calculus		1.0				12
HS4802	IB Math: Analysis/Approaches SL 11 <sup>th</sup>		1.0			11	
HS4803	IB Math: Analysis/Approaches SL 12 <sup>th</sup>		1.0				12
HS4003	Algebra III		1.0			11	12
HS4020	College Algebra		1.0			11	12
HS4035	Semester College Algebra		0.5			11T	12
HS4022	College Statistics		0.5				12

## SCIENCE DEPARTMENT

HS5007	Biology I		1.0	9			
HS5001	Advanced Studies Biology I		1.0	9			
HS5018	Principles of Biomedical Sciences		1.0	9	10		
HS5011	Fundamentals of Physics and Chem		1.0		10	11	
HS5021	Science of Manufacturing	T	1.0		10	11	12
HS5009	Chemistry I	T	1.0		10	11	12
HS5002	Advanced Studies Chemistry	T	1.0		10		
HS5008	Biology II	T	1.0			11	12
HS5010	Chemistry II	T	1.0			11	12
HS5022	Science of Nature	T	1.0			11	12
HS5014	Meteorology	T	0.5			11	12
HS5006	Astronomy	T	0.5			11	12
HS5025	Human Anatomy/Phys	T	1.0			11	12
HS5013	Human Body Systems (HBS)	T	1.0		10	11	12
HS5811	IB Biology HL 11 <sup>th</sup>	T	1.0			11	
HS5812	IB Biology HL 12 <sup>th</sup>	T	1.0				12
HS5813	IB Chemistry HL 11 <sup>th</sup>	T	1.0			11	
HS5814	IB Chemistry HL 12 <sup>th</sup>	T	1.0				12
HS5816	IB Environmental Systems SL	T	1.0			11	12
HS5015	Physics	T	1.0		10	11	12
HS5004	AP Physics I	T	1.0			11	12
HS5005	AP Physics II	T	1.0			11	12
HS5019	Principles of Engineering		1.0		10	11	12

## ART DEPARTMENT/Fine Art

HS6080	Foundations of Drawing		0.5	9	10	11	12
HS6081	Foundations of Design		0.5	9	10	11	12
HS6085	Visual Arts	T	1.0	9	10		
HS6011	Painting I	T	0.5		10	11	12
HS6012	Painting II	T	0.5		10	11	12
HS6013	Painting III	T	0.5			11	12
HS6001	Drawing I	T	0.5		10	11	12
HS6002	Drawing II	T	0.5		10	11	12
HS6003	Drawing III	T	0.5			11	12
HS6031	Ceramics I	T	0.5		10	11	12
HS6032	Ceramics II	T	0.5		10	11	12
HS6033	Ceramics III	T	0.5			11	12
HS6091	Graphic & Comp Art I	T	0.5		10	11	12
HS6092	Graphic & Comp Art II	T	0.5		10	11	12
HS6093	Graphic & Comp Art III	T	0.5			11	12
HS6021	Portfolio I	T	1.0			11	12
HS6022	Portfolio II	T	1.0				12
HS6804	IB Visual Arts SL or HL	T	1.0			11	12

**THEATRE DEPARTMENT/Fine Art**

HS6083	Theatre Arts I		1.0	9	10	11	12
HS6084	Theatre Arts II	T	1.0		10	11	12
HS6082	Repertory Theatre	T	1.0			11	12
HS6803	IB Theatre Arts SL or HL	T	1.0			11	12
HS1064	Competitive Dramatics		1.0	9	10	11	12

**ELECTIVES (Non-Fine Art Credit)**

HS6070	Stagecraft	T	0.5		10	11	12
HS6071	Advanced Stagecraft	T	0.5		10	11	12

**MUSIC DEPARTMENT/ All Daily/Fine Art**

HS6053	Percussion	T	1.0	9	10	11	12
HS6054	Band I (Wind Ensemble)	T	1.0	9	10	11	12
HS6050	Band II (Symphonic Band)	T	1.0	9	10	11	12
HS6051	Band III (Concert Band)	T	1.0	9	10	11	12
HS6060	Concert Orchestra	T	1.0	9	10	11	12
HS6063	Philharmonic Orchestra	T	1.0	9	10	11	12
HS6064	Symphony Orchestra	T	1.0	9	10	11	12
HS6047	Treble Choir (9th Grade)	T	1.0	9			
HS6040	Avd Treble Choir	T	1.0		10	11	12
HS6046	Tenor-Bass Choir	T	1.0	9	10	11	12
HS6042	Concert Choir	T	1.0		10	11	12
HS6066	Music Appreciation		1.0	9	10	11	12
HS6044	Mixed Choir	T	1.0	9	10	11	12
HS6802	IB Music SL	T	1.0			11	12
HS6801	IB Music HL	T	1.0			11	12
HS6045	Crimson/Chamber Choir	T	0.0		10	11	12
HS6062	Symph. Winds/Percussion	T	0.0	9	10	11	12

**BUSINESS DEPARTMENT/Practical Art**

HS7061	Intro to Bus. Management		0.5	9	10		
HS7023	Computer Hardware/OS		0.5	9	10	11	12
HS7024	Computer Hardware/OS II		0.5	9	10	11	12
HS7021	Computer Bus Applications I		0.5	9	10	11	12
HS7022	Computer Bus Applications II	T	0.5	9	10	11	12
HS7090	Cybersecurity Fundamentals I		0.5	9	10	11	12
HS7091	Cybersecurity Fundamentals II		0.5	9	10	11	12
HS7096	Intro to Comp Science Essentials		0.5	9	10	11	12
HS7095	(PLTW) AP Comp Science Principles	T	1.0	9	10	11	12
HS7094	(PLTW) AP Computer Science	T	1.0		10	11	12
HS7065	Intro to Web Design		0.5	9	10	11	12
HS7006	Advanced Web Design	T	1.0		10	11	12
HS7072	Multimedia		0.5	9	10	11	12
HS7017	Accounting I		1.0	9	10	11	12
HS7018	Accounting II	T	1.0		10	11	12
HS7010	Business Law		0.5			11	12
HS7068	Marketing 101		1.0		10	11	12
HS7035	Entrepreneurship w/Creat Marketing	T	1.0			11	12
HS7105	Sports & Entertainment Mktg.	T	1.0			11	12
HS7069	Marketing Work Internship	T A	2.0				12
HS7025	Coop Career Education (CCE)	T A	1.0				12
HS7026	Coop Work (CCE) Internship	T A	2.0				12
HS7106	Sup. Business Experience	T A	2.0				12
HS7008	Business Administration	T	1.0			11	12
HS7802	IB Business Management SL	T	1.0			11	12
HS7014	AMPED on Business*		1.0	9	10		

\*(Students must also enroll in AMPED on Math)

**FAMILY AND CONSUMER SCIENCES/Practical Art**

HS7064	Introduction to Human Services		0.5	9	10	11	12
HS7063	Introduction to Hospitality & Tourism		0.5		10	11	12
HS7012	Child Development: Parenting		0.5			11	12
HS7013	Child Develop: Preschool	T	0.5			11	12
HS7011	Child & Adolescent Develop	T	0.5				12
HS7074	Personal Image & Relationships		0.5	9	10	11	12
HS7040	Fashion & Interior Design Foundations		0.5	9	10	11	12
HS7004	Adv. Fashion Design & Construction		0.5		10	11	12
HS7005	Adv. Interior Design		0.5		10	11	12
HS7041	Capstone: Fash./Int. Design & Merch	T	0.5			11	12
HS7033	Culinary Foundations		0.5	9	10	11	12
HS7060	International Foods		0.5		10	11	12
HS7031	Culinary Arts I (ProStart 1)	T	1.0		10	11	12
HS7032	Culinary Arts II (ProStart 2)	T	1.0			11	12

**ENGINEERING & INDUSTRIAL TECHNOLOGY/Practical Art**

HS7100	Power & Energy		0.5	9	10	11	12
HS7070	Materials & Processing		0.5	9	10	11	12
HS7002	Adv Materials & Processing	T	1.0		10	11	12
HS7062	Intro to Engineering & Design (IED)		1.0	9	10	11	12
HS7003	Advanced Concepts in CAD	T	1.0			11	12
HS7020	Civil Engineer/Architecture	T	1.0		10	11	12
HS7036	Geometry in Construction (EIT)*		1.0	9	10		

\*(Students must also enroll in Geom in Construction Math)

HS7034	Electricity & Electronics		0.5		10	11	12
HS7027	Creative Design and Technology		0.5	9	10	11	12

HS7101	Small Engine Repair		0.5		10	11	12
HS7007	Auto and Home Repair		0.5		10	11	12
HS5019	Principles of Engineering (POE)	T	1.0		10	11	12
HS7051	Furniture Making	T	1.0			11	12
HS7071	Metal Technology	T	1.0		10	11	12
HS7067	Machine Tool Technology*		1.0			11	12

\*(Course offered at LSHS Only)

**PHYSICAL EDUCATION DEPARTMENT**

HS8007	Foundations of Fitness		0.5	9	10	11	12
HS8021	<b>ZERO HOUR</b> Foundations of Fitness		0.5	9	10	11	12
HS8008	Girls Team Sports		0.5		10	11	12
HS8001	Boys Team Sports		0.5		10	11	12
HS8014	Strength and Performance		0.5	9	10	11	12
HS8000	Adv Strength and Performance-Fall	T	0.5		10	11	12
HS8100	Adv Strength and Performance-Spring	T	0.5		10	11	12
HS8020	<b>ZERO HOUR</b> -Adv. Strength and Perf	T	1.0		10	11	12
HS8004	Fitness 4 Life		0.5	9	10	11	12
HS8019	Walking for Fitness		0.5		10	11	12
HS8018	Trends in Fitness		0.5		10	11	12
HS8015	Swimming for Life		0.5	9	10	11	12

\*(Course offered at Aquatic Center Only)

HS8011	Health/Wellness for Life*		0.5	9	10	11	12
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\*(Must be completed in addition to 1.0 PE)

HS8003	Essentials of Athletic Training & 1 <sup>st</sup> Aid*		0.5			11	12
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\*[Does not count toward PE Graduation Req]

HS8013	Mentoring in Physical Education*	A	0.5			11	12
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\*[Does not count toward PE Graduation Req]

HS8800	IB Sports, Exercise and Health Sci*	T	1.0			11	12
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\*(will meet .5 Health Graduation Req)

**AIR FORCE JUNIOR ROTC DEPARTMENT/All Daily/Elective**

HS9001	*ASL I/AFJROTC I		1.0	9	10	11	12
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\*(Class is open to all grade levels. Each year, the level of ASL being taught will alternate so that students can earn all four years in the program if interested)

**INTERNATIONAL BACCALAUREATE PROGRAM \***

HS1801	IB Theory of Knowledge (IBDP)	T	0.5			11	12
HS7800	IB Personal & Prof Skills (IBCP)	T	0.25			11	12

\*ALL OTHER IB COURSES LISTED UNDER DEPARTMENT

**PERSONAL FINANCE**

HS7081	Personal Finance		0.5			11	12
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**ACT PREP**

HS9000	ACT Preparation		0.5			11	12
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**LIBRARY ASSISTANT – Apply online for this position via LMC website.**

HS9041	Library Assistant	T A	1.0		10	11	12
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**CLERICAL AIDE –Teacher approval/Pick up App. in Counseling**

HS9040	Clerical Aide	T A	0.0				12
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**AVID - Application AND Interview are required/Pick up App. in Counseling**

HS9009	AVID 9 Career Exploration	A	1.0	9			
HS9010	AVID 10 Career Exploration	A	1.0		10		
HS9011	AVID 11 Career Exploration	A	1.0			11	
HS9012	AVID 12 Career Exploration	A	1.0				12

**PEER INCLUSIVE ENVIRONMENT – Selection Process**

HS9546	PIE	T				11	12
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**LEARNING LAB**

HS9034	1 <sup>st</sup> Semester Only		0.0	9	10	11	12
HS9035	2 <sup>nd</sup> Semester Only		0.0	9	10	11	12

**ENGLISH LANGUAGE LEARNERS**

See ELL case manager for enrollment form

**SPECIAL EDUCATION**

See IEP case manager for enrollment form

**\*SEE ADDITIONAL PAGE FOR A LIST OF  
ONLINE COURSE OPTIONS**

**ONLINE COURSES:**

(online courses are not guaranteed - courses depend on number of district-wide enrollment requests)

HA1009	ONLINE English 9	1.0	9			
HA1010	ONLINE English 10	1.0		10		
HA1011	ONLINE English 11	1.0			11	
HA1021	ONLINE English 11 Honors	1.0			11	
HA1012	ONLINE English 12	1.0				12
HA1022	ONLINE English 12 Honors	1.0				12
HA1052	ONLINE College Credit English 12 A	1.0				12
HA1081	ONLINE Intro to Creative Writing	0.5	9	10	11	12
HA1060	ONLINE Adv. Creative Writing T	0.5		10	11	12
HA2001	ONLINE French I	1.0	9	10	11	12
HA2002	ONLINE French II T	1.0	9	10	11	12
HA2031	ONLINE Spanish I	1.0	9	10	11	12
HA2032	ONLINE Spanish II T	1.0	9	10	11	12
HA2038	ONLINE Mand. Chinese for Heritage Spkrs	1.0	9	10	11	12
HA3006	ONLINE American History	1.0	9			
HA3001	ONLINE Advanced Studies American Hist.	1.0	9			
HA3003	ONLINE World History	1.0		10		
HA3002	ONLINE Advanced Studies World Hist.	1.0		10		
HA3004	ONLINE Modern Global Issues	0.5			11	12
HA3005	ONLINE Am. Government	0.5			11	12
HA3018	ONLINE General Psychology T	0.5			11	12
HA3012	ONLINE Sociology I T	0.5			11	12
HA3013	ONLINE Sociology II T	0.5			11	12
HA4001	ONLINE Algebra I	1.0	9	10	11	
HA4000	ONLINE Pre-Algebra	1.0	9			
HA4023	ONLINE Geometry	1.0	9	10	11	12
HA4002	ONLINE Algebra II	1.0		10	11	12
HA4003	ONLINE Algebra III	1.0			11	12
HA4020	ONLINE College Algebra A	1.0				12
HA5007	ONLINE Biology I	1.0	9			
HA5025	ONLINE Human Anatomy & Physiology T	1.0			11	12
HA5011	ONLINE Fund. of Physics/Chemistry	1.0		10	11	12
HA5009	ONLINE Chemistry T	1.0		10	11	12
HA5022	ONLINE Science of Nature T	1.0			11	12
HA5014	ONLINE Meteorology T	0.5			11	12
HA5006	ONLINE Astronomy T	0.5			11	12
HA5026	ONLINE Intro to Env Stud/Agriculture	0.5		10	11	12
HA6066	ONLINE Music Appreciation	1.0	9	10	11	12
HA6080	ONLINE Foundations of Drawing	0.5	9	10	11	12
HA6081	ONLINE Foundations of Design	0.5	9	10	11	12
HA6001	ONLINE Drawing I T	0.5		10	11	12
HA7081	ONLINE Personal Finance	0.5			11	12
HA7023	ONLINE Computer Hardware/OS	0.5	9	10	11	12
HA7024	ONLINE Computer Hardware/OS II	0.5	9	10	11	12
HA7021	ONLINE Computer Bus App I	0.5	9	10	11	12
HA7090	ONLINE Cybersecurity Fundamentals I	0.5	9	10	11	12
HA7091	ONLINE Cybersecurity Fundamentals II	0.5	9	10	11	12
HA7065	ONLINE Intro to Web Design	0.5	9	10	11	12
HA7061	ONLINE Intro to Business Management	0.5	9	10	11	12
HA7037	ONLINE Intro. to Construction	0.5	9	10	11	12
HA7017	ONLINE Accounting I	1.0	9	10	11	12
HA7018	ONLINE Accounting II T	1.0		10	11	12
HA7010	ONLINE Business Law	0.5			11	12
HA7068	ONLINE Marketing 101	1.0		10	11	12
HA7035	ONLINE Entrepr. w/Creative Mktg T	1.0			11	12
HA7025	ONLINE Coop. Career Education T	1.0				12
HA7064	ONLINE Intro to Human Services	0.5	9	10	11	12
HA7040	ONLINE Fashion & Interior Design Found.	0.5	9	10	11	12
HA7012	ONLINE Child Development/Parenting	0.5			11	12
HA7011	ONLINE Child and Adolescent Dev. T	0.5				12
HA7033	ONLINE Culinary Foundations	0.5	9	10	11	12
HA7060	ONLINE International Foods	0.5		10	11	12
HA7074	ONLINE Personal Image/Relationships	0.5	9	10	11	12
HA8007	ONLINE Foundations of Fitness	0.5	9	10	11	12
HA8004	ONLINE Concepts in PE	0.5		10	11	12
HA8019	ONLINE Walking for Fitness	0.5		10	11	12
HA8011	ONLINE Health/Wellness for Life	0.5	9	10	11	12





# TEACHER SIGNATURE FOR COURSE ENROLLMENT 2023-2024

**All core courses** (communication arts, math, science and social studies) **require a teacher recommendation in PowerSchool from a teacher in the respective department.**

Listed below are elective courses that require additional teacher recommendations in PowerSchool for enrollment. If a course is not listed it does not require a teacher recommendation for enrollment.

Department	Course Name	Teachers who can Recommend
<b>Communication Arts</b>		
	Adv. Video Tech/ Sports or Adv. Broadcast	Terry Durnell
	Advanced Debate	Ben Jewell
	College Credit English	Stacy Collins
	IB Theatre Arts SL/HL	William Palmer
	News for Print and Online I/II	Mindy Haesemeyer
	Stagecraft/Adv Stagecraft	William Palmer
	Theatre II	William Palmer
	Yearbook/Advanced Yearbook	Jessica Brown
	IB Film	Terry Durnell
	Editorial Leadership	Jessica Brown, Terry Durnell, Mindy Haesemeyer
	Advanced Creative Writing	Ashley Baker
<b>Modern Languages</b>		
	Mandarin Chinese II, III, IV, V, Mandarin for Heritage Speakers	Valda Hsu
	French II, III, IV, V	Sharon Jaunay, Nicole Morris
	German II, III, IV, V	Stefan Frank, Brittani Slinkard
	Spanish II, III, IV, V, Spanish for Heritage Speakers II	Galo Delgado, Kim Baer, Hannah Brizuela, Andrea Vovk, Aaron Layendecker, Natalie Kirchhoff, Gail Howe
<b>Social Studies</b>		
	All Social Studies Electives	Any Social Studies Teacher
	IB Psychology SL or HL	Andrea Hood-Johnson, Robert Rossiter
	IB Cult and Social Anthropology	Eric Davis, Robert Rossiter
<b>Math</b>		
	All Math Electives	Any Math Teacher
<b>Science</b>		
	Physics or AP Physics	Kristen Falkenberg
	Principles of Engineering	Current Science Teacher and Math Teacher
	Principles of Biomedical Sciences	Brad Ralston
	IB Environmental Systems	Chris Gerding, Robert Rossiter
	All other Science Courses except Science of Nature	Current Science Teacher
<b>Art</b>		
	Drawing I, II, or III	Any Art Teacher
	Graphic and Computer Arts I, II, or III	Any Art Teacher
	IB Visual Arts SL/HL	Rashelle Weissenbach, Colby Mathews
	Painting I, II, or III	Any Art Teacher
	Portfolio I or II	Colby Mathews, Rashelle Weissenbach
	Ceramics I, II, or III	Any Art Teacher
	Visual Arts	Any Art Teacher

Department	Course Name	Teacher who can sign
<b>Music</b>		
	Concert Choir	Jonathan Krinke, George Peng
	Concert/Phil/Symphony Orchestra	Joseph Keeney
	Crimson Camerata	Jonathan Krinke
	Men's Choir	Jonathan Krinke, George Peng
	Mixed Choir	George Peng
	IB Music SL/HL	Any Music Teacher
	Percussion	Travis Houston
	Wind Ensemble/Concert/Symphonic Band	Grant Fischer, John Johnson
	Winds/Percussion	Joseph Keeney
<b>Business</b>		
	Accounting II	Layne Funk
	Advanced Web Design	Perri LaTerza
	Work Internships	Joy Reed, Christy Wiseman-Buckner
	Computer Business Applications II	Tanner Vance
	Entrepreneurship/Sports Marketing	Joy Reed, Perri LaTerza
	Business Admin/IB Business Management	Layne Funk, Robert Rossiter
	PLTW Computer Science Principles, PLTW Computer Science A	Christy Wiseman-Buckner
<b>FACS</b>		
	Child/Adolescent Psychology	Jessica Benus
	Child Development Preschool	Jessica Benus
	Culinary Arts I (ProStart 1)	Holly Warnex
	Culinary Arts II (ProStart 2)	Holly Warnex
	FACS Internship	Jessica Benus, Michele Holt
<b>Engineering/Industrial Technology</b>		
	Adv Concepts in CAD	Cam Clover, Jared Hook
	Civil Engineering/Architecture	Cam Clover, Jared Hook
	Furniture Making, Metal Tech	Cody Cantrell, Cam Clover
	Adv Materials & Processing	Cody Cantrell, Cam Clover
	Principles of Engineering	Cam Clover, Jared Hook, Matthew Shortino
<b>Physical Education</b>		
	Adv Strength and Performance	Katie Kelley, Justin Geiger, Ray Hughes, Jamar Mozee
	IB Sports, Exercise and Health Science	Steve Taylor, Robert Rossiter, Luke Williams
	Mentoring In PE	Ryan Kelley
<b>AFJROTC</b>		
	ASL 2	Richard Jenkins
<b>IB</b>		
	IB Theory of Knowledge/ IB Personal and Professional Skills	Robert Rossiter
	IB Information Technology in a Global Society	Robert Rossiter
<b>Special Programs</b>		
	Peer Inclusive Environment	Jessica Stueve, Brooke Johnson, Aubri Janes



# Welcome to the Lee's Summit North High School Course Registration for 2024-2025

Enrollment Window – Feb. 2nd - Feb. 16th

## PROCEDURES FOR ONLINE ENROLLMENT:

1. Go to Power School and use your login and password.
2. There will be an icon called Class Registration, click on that icon. Make sure you choose the 2024-25 Class Registration icon.
3. You will see a screen that is similar to the screen below these instructions
4. Begin with Communication Skills: English Language Arts. Read the paragraph below the heading. These are important reminders for each category.
5. Click on the pencil icon at the right of each section to open up the course listing window.
6. Make sure you go to each section, choosing your courses carefully.
7. As you finish each section, you must click OKAY. At the end, after your last section, you must click OKAY and SUBMIT. If you forget to click OKAY and SUBMIT, your choices will not be submitted correctly.
8. Your requests will be totaled at the bottom. Please make sure you choose enough courses to fill a seven hour day both 1<sup>st</sup> and 2<sup>nd</sup> semester.
9. Last but not least, be sure to choose 4 alternate courses. These SHOULD NOT be courses you selected as primary choices in previous sections. Remember, these courses will be used in your schedule if your primary choices do not work.
10. When you are finished and you have submitted correctly, at the top choose, SHOW COURSE REQUESTS. A listing of courses you have registered for will appear and you may print this off for your records.

IF YOU HAVE QUESTIONS or PROBLEMS PRE-ENROLLING ON-LINE, PLEASE SEE YOUR COUNSELOR!

## Lee's Summit North Pre-Enrollment Registration 2024-25

### Welcome to the Lee's Summit North High School Class Registration System for 2024-25

WELCOME TO THE 2024-25 REGISTRATION PROCESS!!! WE ARE EXCITED YOU WILL BE A BRONCO NEXT YEAR. PLEASE FOLLOW THE INSTRUCTION BELOW AND ENTER YOUR REQUESTS. DEADLINE IS FEBRUARY 16, 2024. HAPPY ENROLLING!!!

View course requests

#### COMMUNICATION SKILLS

You must choose English 9 or Advanced Studies English 9 to meet your graduation requirement. Please refer to the recommendation made by your current English teacher. In addition to English 9, you may choose a Reading Lab or Reading Strategies if you have been recommended for this class as well.

Click the edit button to request a course

#### COMMUNICATION SKILLS ELECTIVE

You are not required to choose one of the courses. Only choose a course from this list if you want the course as an elective course. These courses cannot replace English 9/ADV English 9.

Click the edit button to request a course

#### MODERN LANGUAGE

Modern Language is not required for graduation, however, colleges strongly recommend and sometimes require 2 years of the same language. Choose level 1 unless you have completed level 1 and have been recommended for level 2.

Click the edit button to request a course

## **SOCIAL STUDIES**

You must choose American History or Advanced Studies American History. Please refer to recommendation made by your current social studies teacher.

[Click the edit button to request a course](#)

## **MATH**

You must choose a math course to meet your graduation requirement. Please refer to the recommendation made by your current math teacher.

[Click the edit button to request a course](#)

## **SCIENCE**

You must choose a version of Biology to meet your graduation requirement. Please refer to recommendation made by your current science teacher. You may choose Principles of BioMedical Sciences in addition to Biology. PBS would be considered an elective.

[Click the edit button to request a course](#)

## **FINE ART - Art, Music, Theatre**

One credit in this area is required for graduation, however, it does not have to be your 9th grade year Choose courses that you would like to take your 9th grade year.

[Click the edit button to request a course](#)

## **PRACTICAL ART - Business, FACS, Indust Tech & Engineering**

One credit in this area is required for graduation, however it does not have to be your 9th grade year. Choose a course that you would like to take your 9th grade year.

[Click the edit button to request a course](#)

## **PHYSICAL EDUCATION**

One credit in PE and .5 credit is required in Health to graduate, however, it does not have to be your 9th grade year. It is required that a student take Foundations of Fitness before other PE courses. It is **STRONGLY** recommended that freshman take Health and Wellness

[Click the edit button to request a course](#)

## **PE ELECTIVES**

You may choose a course from this list, only if you have also enrolled to take Found of Fitness as well or have enrolled to take it during the summer.

[Click the edit button to request a course](#)

## **AIR FORCE ROTC**

This course will be an elective choice. ROTC is not required for graduation.

[Click the edit button to request a course](#)

## **LEARNING LABS**

A learning lab is a structured study hall that is not for credit. Students in several activities or difficult courses may choose to take on a semester basis.

[Click the edit button to request a course](#)

## **ALTERNATE CHOICES**

It is required that you choose at least 4 alternate courses. These courses will only be placed in your schedule if your primary choice **WILL NOT** work.

[Click the edit button to request a course](#)

Requires between 6 and 8 credit hours.

Requesting **0** credit hours.

# LSN COUNSELING QR MENU



LSN Counseling Center  
Website



LSN Counseling Dept.  
Twitter



Career and Educational  
Planning Guide



District Student  
Wellbeing Resources



LSN Athletics



LSN Activities



A+ Program



IB Programs



Naviance College and  
Career Planning



Summer School







ACT Test Dates and  
Registration



ACT Prep Classes



STA/MIC



Herndon Career  
Center/Southland CAPS



Cass Career Center



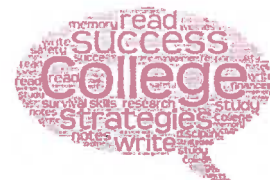
Early College Program



Career Resources



College Resources



Summer School



District Student  
Wellbeing Resources





# Dual College Credit Courses

Lee's Summit North

2024-25

Enrollment for dual college credit takes place with the instructor of the course at the beginning of the academic year - in August for a yearlong course and at the beginning of each new semester for a semester course.

Course Number	High School Course Name	College or University	College Course Number	College Course Name	# of College Credit Hours
HS4019/ HS4803	Calculus/IB Math A&A 12	UMKC	MATH 210	Calculus I	4
HS7011	Child and Adolescent Development	UCM	CFD1220	Child and Adolescent Development	3
HA7018	Accounting II (online)	Longview	BSAD101	Accounting Principles I	3
HS7008	Business Administration	Longview	BSAD150	Business Essentials	3
HS4020	College Algebra (year-long)	UMKC	MATH110	College Algebra	3
HS4035	College Algebra (semester-long)	UMKC	MATH110	College Algebra	3
HS4022	College Statistics	Longview	MATH115	College Statistics	3
HS1052	College Credit English	Longview	ENG101/102	English 101/102	6
HS2004	French IV	MSU	FRN 101/102	Elementary French I / II	6
HS2802	IB French V SL	MSU	FRN 201/202	Intermediate French I / II	6
HS2801	French IV HL	MSU	FRN 101/102	Elementary French I / II	6
HS2803	IB French V HL	MSU	FRN 201/202	Intermediate French I / II	6
HS2014	German IV	UCM	GER1301/1302	Elementary German I / II	6
HS2811	IB German V SL	UCM	GER2301/2302	Intermediate German I / II	6
HS2024	Mandarin Chinese IV	MSU	CHI 101/102	Elementary Chinese I/II	6
HS2025	IB Mandarin Chinese V SL	MSU	CHI 201/202	Intermediate Chinese I/II	6
HS3802	IB History 11	Longview	HISTORY120	United States History to 1865	3
HS3803	IB History 12	Longview	HISTORY121	United States History Since 1865	3
HS3808	IB Psychology	UCM	PSY1100	Psychology	3
HS6804	IB Visual Arts	Longview	ART101/280	Art Fundamentals II	3
HS6022	Portfolio II	Longview	ART101/280	Art Fundamentals II	3
HS2034	Spanish IV	UCM	SPAN 1601/1602	Elementary Spanish I / II	6
HS2832	IB Spanish V SL	UCM	SPAN 2601/2602	Intermediate Spanish I / II	6
HS2831	IB Spanish IV HL	UCM	SPAN 1601/1602	Elementary Spanish I / II	6
HS2833	IB Spanish V HL	UCM	SPAN 2601/2602	Intermediate Spanish I / II	6
HS1062	Advanced Video Technology	UCM	COMM 1519	Media Aesthetics	3
HS1061	Advanced Broadcasting	UCM	COMM 1500	Writing Across the Media	3
HS7032	Culinary Arts II	MSU	HSP 321	Principles of Food Preparation	3



Dual College Credit Courses







**2024-2025 Application  
Priority Deadline  
February 16, 2024**

# EARLY COLLEGE PROGRAM

*Empowering College & Career Ready Students*



METROPOLITAN  
COMMUNITY COLLEGE



## Authentic College Experience in High School



### Tuition Savings

Half-price MCC Tuition.  
Financial Assistance for  
Qualifying Students.



### Degree Acceleration

Lighten the Load  
Meet Program Prerequisites  
Earlier Degree completion  
Highly Transferrable Credit (CORE 42)



### Flexible Scheduling

The college schedule allows  
students time to work,  
complete an internship, or  
participate in off-  
campus/high school  
programs & activities

## All classes count for high school credit.

Classes held on campus and online through Metropolitan Community College-Longview Campus.

*All classes are MSHSAA & NCAA Approved*

### Program Requirements

- Students in grades 11 or 12
- Minimum 2.5 GPA & Qualifying ACT/Accuplacer scores (see website for details)
- 3.0 GPA (non-math based courses) 3.3 GPA & successful completion of Alg. II (College Alg., Statistics)
- ECP and MCC application completion

Apply at [ecp.lsr7.org](http://ecp.lsr7.org)

# **Academic & Career Pathways**

**All curriculum, course descriptions, and pathway information can be found on the ECP website: [ecp.lsr7.org](http://ecp.lsr7.org)**

## **Associate of Arts Degree**

LSR7 students have the option to complete an Associate of Arts degree from MCC upon graduation from high school. This option takes careful & early planning to insure both high school graduation and degree requirements are met. This option may also require taking classes during the summer.

## **Business- Associate of Applied Science**

Students can complete an AAS degree 1 semester following high school graduation with the option of taking additional coursework & transfer to Northwest Missouri State to finish a Bachelor of Applied Science degree.

## **Education-Teaching**

Foundational coursework needed for teacher certification. ENGL 101-Composition & Reading I course is a prerequisite for all education coursework. Great option for students interested in the STA Teacher Academy & the LSR7 Grow Your Own program.

## **Electives**

Coursework in business, criminal justice, social & behavioral science, fine arts, natural science, mathematics, & humanities are offered.

## **Engineering Technology**

Students have the option to pursue a certificate (OSHA, CADD, & Drafting) and Associate of Applied Science degree in this high demand field.

## **General Education**

Foundational coursework required for most Associate of Arts and Bachelor degrees averaging, 40-45 credit hours, in the subjects of communications, social science, natural science, mathematics, humanities & fine arts.

## **Health Science**

Students can take prerequisite coursework required for admissions into Nursing and Allied Health programs.

## **Hospitality**

A partnership with Summit Technology Academy, students can complete an Associate of Arts degree 1 year post high school and choose to pursue a Bachelor of Applied Science degree in Hospitality Leadership at Missouri State .

**Apply, go to: [ecp.lsr7.org](http://ecp.lsr7.org)**

Erin Barnett, Program Coordinator  
[erin.barnett@lsr7.net](mailto:erin.barnett@lsr7.net) or (816)604-2114





# SUMMIT TECHNOLOGY ACADEMY

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1101 NW Innovation Pkwy  
Lee's Summit, MO 64086

816.986.3410

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## ENGINEERING

Engineering courses include **digital electronics**, **computer integrated manufacturing**, **aerospace engineering** a capstone course called **engineering design & development** and **aerospace academy**. These fast-paced, college level courses in applied logic give students the opportunity to learn how computers/logic circuits think and control the world around us. Students will complete individual and team projects in a three dimensional, solid modeling software package with mass property analysis and design interface tools. Engineering courses provide students with the fundamental knowledge and experience to apply mathematical, scientific, and engineering principles to the design, development, and evolution of aircraft, space vehicles and their operating systems. The capstone course allows students to research, design and construct a solution to a real-world problem. Engineering field experience allows teams to work side-by-side with professional engineers.

## COMPUTER SCIENCE

STA addresses tech industry demands in computer science by offering 8 semester courses allowing students to personalize their learning path by taking 2 courses per year. **DevSecOps** course (**Development**, **Security**, and **Operations**) dives into network operations and programming by using the lens of security to tie it all together. **Advanced Networking and Cyber Concepts** continues the comprehensive approach into networking and cyber concepts. Two options in software development include courses in **Java** and **Python**, empowering students with critical concepts of programming languages. Two deeper level development courses include **Data/Artificial Intelligence** and **Applications**. The **CyberSecurity** and **Cyber Operations** courses provide advanced skills and strategies to protect systems. All courses use hands-on activities and simulations that are aligned with university curriculum and industry standards.

## HEALTH SCIENCE

**Allied health** engages students in hands-on skills labs in such areas as Dental Assisting; Health Information Technology; Occupational Therapy/Occupational Therapy Assistant; Paramedic/EMT; Physical Therapy/Physical Therapy Assistant; Radiologic Technology and Respiratory Care, Surgical Technology, Chiropractic, Athletic Training, Laboratory, Pharmacy, and other allied health careers. **Biomedical science** courses allows students to investigate the variety of interventions involved in the prevention, diagnosis and treatment of diseases. Students apply knowledge to solve problems related to biomedical science through independent research projects. The **professional nursing** course prepares students for a collegiate level nursing program including topics such as nursing history, pharmaceutical math, CPR/first aid, nursing skills and medical terminology. Students practice these skills in clinical settings.

## HUMAN SERVICES & FINANCE

The **teacher educator academy** offers students the opportunity to put theory into action through classroom work and the practicum. Students will develop skills and professionalism needed to succeed as an educator as they work directly with students/adults in the practicum. **International studies** is designed for students who are passionate about world cultures, languages, and diversity. Through service projects and possible internships, students will meet and work with refugees and recent immigrants, applying content knowledge to actual, meaningful situations. **Business finance and fintech** covers instruction in risk management, data analysis (big data), financial technology, financial modeling, P&L statements, and economics. **Hospitality, tourism, and recreation management** works to optimize each customer's experience throughout multiple industries. This course will utilize the facilities at Paradise Park for real-world work, acquire certifications, and experiences transferable to a variety of industries. **FireFighter Academy** students will be immersed in LSFD fire training with a certified LSFD Firefighter instructor.

## ARTS & COMMUNICATION

**Digital media technology** gives students an opportunity to explore and prepare for careers in arts, audio/video technology, and communications. Students will focus on the complete video and audio production workflow from preproduction through post production. They will work in teams to integrate music, graphics and video technologies in entrepreneurial projects for their schools and/or communities. Students have the opportunity to prepare for an industry-recognized certification in Apple Final Cut Pro.

## NATURAL RESOURCES

**Environmental studies** offers students the ability to build upon the success in previous science courses and apply those concepts to a living environment working directly with wild species native to the region. Students will make sense of the science with the complex Missouri prairie, woodland, and wetland ecosystems. At paradise Park, students will investigate nature through ecological, cultural, and economic lenses with a hands-on approach in natural habitats. Through scientific inquiry and presentation, students will engage in a capstone project showcasing their individual interests and research within a particular area.



# SUMMIT TECHNOLOGY ACADEMY

Academics Amplified. Professions Launched.

## SUMMARY OF PREREQUISITES

Programs	Prerequisites/ Recommendations
<b>ENGINEERING</b>	
Digital Electronics	2.5 or higher GPA; Algebra I with B- or better; 90% attendance <b>Recommended:</b> PLTW Intro. to Eng./ Principles of Eng.
Computer Integrated Manufacturing	2.5 or higher GPA; Algebra I with B- or better; 90% attendance <b>Recommended:</b> PLTW Intro. to Eng./ Principles of Eng.
Aerospace Engineering	2.5 or higher GPA; Algebra II with B- or better; 90% attendance <b>Recommended:</b> PLTW Intro. to Eng./ Principles of Eng.
Engineering Design & Development	PLTW Digital Electronics <b>or</b> Computer Integrated Manuf. <b>or</b> Aerospace Engineering <b>or</b> Civil Engineering Architectural; Physics B or better; 90% attendance
Aerospace Academy	2.5 or higher GPA; Algebra I with a B- or better; 90% attendance; Aerospace Academy (AE) and Digital Electronics (DE) are highly recommended for students interested in avionics and aviation maintenance career paths

<b>HEALTH SCIENCE</b>	
Medical Interventions/ Biomedical Innovation	2.5 or higher GPA; 90% attendance; PLTW Principles of Biomedical Science/Human Body Systems <b>or</b> two of the following science courses: biology, chemistry, anatomy or other related courses with a B- or better
Allied Health	2.5 or higher GPA; 90% attendance; biology <b>or</b> chemistry with C or better
Professional Nursing (seniors only)	2.5 or higher GPA; 90% attendance; biology <b>and</b> chemistry with B- or better

<b>ARTS &amp; COMMUNICATION</b>	
Digital Media Technology	2.5 or higher GPA; 90% attendance; Algebra I with a C or better; a total of 2 credits of Fine Art and/or Practical Art. Additionally, students are required to submit one audio/video portfolio artifact. See catalog or course webpage for example artifacts

<b>NATURAL RESOURCES</b>	
Environmental Studies (at Paradise Park)	2.5 or higher GPA; 90% attendance; Algebra I, Biology I, and Chemistry I with B- or better

Programs	Prerequisites/ Recommendations
<b>COMPUTER SCIENCE</b>	
DevSecOps	GPA 2.5 or higher; 90% attendance; Algebra I with B- or higher. One of the following PLTW Computer Science Essentials <b>or</b> PLTW Computer Science Principles <b>or</b> CHAOS I (offered through R7 Online)
Advanced Network and Cyber Concepts	DevSecOps with B- or higher or teacher recommendation; GPA 2.5 or higher; 90% attendance; Algebra I with B- or higher
CyberSecurity	DevSecOps with B- or higher or teacher recommendation; GPA 2.5 or higher; 90% attendance; Algebra I with B- or higher
Cyber Operations	DevSecOps with B- or higher or teacher recommendation; GPA 2.5 or higher; 90% attendance; Algebra I with B- or higher
Software Development — Python	GPA 2.5 or higher; 90% attendance; Algebra II with B- or higher or previous programming knowledge
Software Development — Java	GPA 2.5 or higher; 90% attendance; Algebra II with B- or higher or previous programming knowledge
Software Development — Data and AI	Software Development — Python or PLTW Computer Science Principles; GPA 2.5 or higher; 90% attendance; Algebra II with B- or higher or previous programming knowledge
Software Development — Applications	Software Development — Java or PLTW Computer Science A and a teacher recommendation; GPA 2.5 or higher; 90% attendance; Algebra II with B- or higher or previous programming knowledge

<b>HUMAN SERVICES &amp; FINANCE</b>	
International Studies (SISA)	2.5 or higher GPA; 90% attendance; two years of foreign languages
Teacher Educator Academy (seniors only)	2.5 or higher GPA; 95% attendance; one unit of child development courses, adolescent psychology, or sociology
Business Finance and Fintech	2.5 or higher GPA; 90% attendance; Algebra I with B- or better, one unit of business with B- or better
Hospitality, Tourism, and Recreation Management (at Paradise Park)	2.5 or higher GPA; 90% attendance; Algebra I with B- or better
FireFighter Academy	2.5 or higher GPA; 95% attendance; Algebra I with C or better



# Herndon Career Center

## Programs at a Glance



2024-25

[hcc.raytownschools.org](http://hcc.raytownschools.org)



### Advertising Art and Graphic Design

Students will learn to excel in the Adobe Creative Suite. They will learn about the design process from initial sketch to final product production.

Ex: Logo Design, Website Design, Print and Digital Productions, Animations, Artistic Critiques, Creative Problem Solving, Branding

Adobe Certifications, OSHA10, Client Connected Design, Articulated Credit, Commercial Printing Experience Opportunities

### Animal Health Sciences

Students will explore the animal health industry. They will learn about a variety of career opportunities that fall within large and small animals, marine life, exotic animals.

Ex: Real World Company Based Projects, Team Based Research Projects, Individual Passion Projects, Site Visits, Guest Speakers, College Tours, Focus on Professional Skills

Internship Opportunities, Leadership Opportunities, Dual Credit Opportunities  
\*Daily Transportation is Required\*

### Automotive Collision

Students will learn skills needed to be an entry level auto body repair and refinishing positions in a dealership or independent repair shops.

Ex: Body and Structural Repair Skills, Basic Mig Welding Techniques, Standard Metal Straightening Techniques, Detail Services, Color Matching Techniques and Application

ICAR Certifications, OSHA10, Client Repair Work, Articulated Credit, Leadership Opportunities

### Automotive Technology

Students will learn entry level automotive technician skills.

Ex: Changing Brakes, Changing Oil, Tire Rotation and Replacement, Electrical Systems, Basic Engine Repair, Transmission Repair

ASE Student Certifications, ASE 609, SNAP-ON Multi-meter Certifications, Internship Opportunities, Client Repair Work

### Behavioral Health

Students will learn about careers in Behavioral Health Sciences through comprehensive exploration of careers in psychology and sociology.

Ex: Introduction to Behavioral Health, Studies of Human Development and Psychology, Substance Abuse and Addiction Awareness, Mental Health Disorder Research

OSHA-Healthcare, CPR Certification, Job Shadowing Opportunities

### Business Innovation and Creation

Students will explore all aspects of owning and operating a business. They will focus on entrepreneurship, marketing and economic development.

Ex: Real World Company Based Projects, Team Based Research Projects, Individual Passion Projects, Site Visits, Guest Speakers, College Tours, Focus on Professional Skills

Internship Opportunities, Leadership Opportunities, Dual Credit Opportunities  
\*Daily Transportation is Required\*

### Construction Technology

Students will learn safety, technical skills and employability skills to prepare for the workplace. They will work in a team for planning/constructing projects.

Ex: Blueprint Reading, Basic Concrete Finishing, Structural Framing, Electrical, Plumbing, Interior Finishing, Roofing, Heavy Equipment Operation, Career Opportunities

Career Connections Levels 1, 2, 3 Certifications, OSHA10, Internship Opportunities, Leadership Opportunities

### Cosmetology

Students will learn skills and theory required to sit for the State Board of Licensing Cosmetology Exam to become a Licensed Cosmetologist.

Ex: Hair & Scalp Care, Haircutting Techniques, Chemical Applications, Skin Care, Nail Care, Personal Hygiene, Business and Professional Ethics, Safety/Sanitation Methods

Cosmetology All Certification, OSHA10, Barbicide Certification, Milady Rise Certification, Salon Experience

### Culinary Arts

Students will learn industry standard safety and sanitation and advanced cooking methods. They will learn theories and methods for ingredient/labor cost control.	Ex: Industry Standard Cooking and Sanitation, Industry Standard Cooking Techniques, Recipe Creation, Cost Management, Front/Back of House Experience	Food Handlers License, OSHA10-Culinary, ProStart Level 1, 2 and ProStart COA, Banquet Experience, Leadership Roles
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### Diesel Mechanics

Students will learn skills that will prepare them as entry level Diesel Technicians. They will work on maintenance, service and repairs for semi-trucks and heavy equipment.	Ex: Preventative Maintenance, Service Repairs, Basic Engine Work, Electrical Controls, Entry Level Mig Welding, Basic Hydraulics, Wheel & Tire Replacement	ASE Student Certifications, OSHA10, ASE 609 Certification, Internship Opportunities, Leadership Opportunities
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### Education Exploration

Students will explore the field of Education with a focus on curriculum development, instructional and behavior management strategies and teacher collaboration.	Ex: Student Teaching Experiences, Guest Speakers, Team Based Research Projects, Individual Passion Projects, Site Visits, Focus on Professionalism Skills	Internship Opportunities, Leadership Opportunities, Dual Credit Opportunities <b>*Daily Transportation is Required*</b>
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### Emergency Medical Technician

Students will learn to provide pre-hospital assessment and care for patients of all ages and all medical conditions, ranging from traumatic injuries to medical emergencies.	Ex: Trauma Patient Assessment, Medical Patient Assessment, Oxygen Administration, Airway and BVM Ventilation, Bleeding Control, Spinal Immobilization	NREMT Certification, CPR/First Aid Certification, OSHA-Healthcare, Clinical Experiences, Articulated Credit
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### Foundations of Nursing

Students will learn the practical skills and content knowledge to earn the CNA certification. The 100 clinical hours needed will be earned during the school term.	Ex: Feeding, Bathing and Dressing Residents, Safe Patient Transfers, Medical Terminology, Anatomy, Physiology, Basic Nursing Skills	CNA Certification, OSHA-Healthcare, CPR Certification, Leadership Opportunities, Dual Credit Opportunities <b>*Transportation Required for Clinical Days*</b>
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### HVAC/Industrial Maintenance

Students will learn the skills needed to assemble, install, troubleshoot and repair both residential and commercial HVAC/R equipment.	Ex: Electrical Training, Pipe Fitting, Plumbing, Ventilation Design, Gas Heat Troubleshooting and Repair, Refrigeration Air Distribution	Internship Opportunities, OSHA10, EPA608 Certification, H.E.A.T Gas Certification
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### Introduction to Physical Therapy/Sports Medicine

Students will learn about the human body and its movements, specific disorders and treatments, and post secondary and career opportunities in the PT/Sports Med pathway.	Ex: Medical Terminology, Safe Transfers, Use of Assistive Walking Devices, Injury Recognition, Exercise Programming, Nutrition/Weight Management.	OSHA-Healthcare, CPR Certification, Dual Credit Opportunity, NASM Personal Training Certification, Internship Opportunities
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### Law Enforcement/Police Science

Students will learn about the Law Enforcement industry including the historical perspectives, criminal justice career fields and entry level practical skills.	Ex: De-escalation Techniques, Handcuffing, Routine Traffic Stops, Report Writing, Crime Scene Investigation, Forensic Science Exploration, Public Safety Awareness	OSHA-Public Safety, Dual Credit Opportunities, CPR Certification, FEMA Certifications, MO Law Enforcement Skills and Knowledge Certification
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### Turf Management and Horticulture

Students will explore the career opportunities within the Plant Science industry focusing on turf grass management, landscape design, greenhouse maintenance.	Ex: Real World Client Projects, Hands-On Projects, Guest Speakers, Team Based Research Projects, Individual Passion Projects, Site Visits, Professional Skills	Internship Opportunities, Leadership Opportunities, Dual Credit Opportunities <b>*Transportation is Required*</b>
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### Welding and Metal Fabrication

Students will learn about welding theory and technique. Students will get hands on experience while gaining valuable employability skills.	Ex: Basic Flame Cutting, Oxy-Fuel Welding, Shielded Metal Arc Welding, Welding Theory, Measuring, Blueprint Reading, Employability Skills, Career Research	AWS Certifications, OSHA10, AWS SENSE Curriculum, Articulated Credit Opportunities, Internship Opportunities, Leadership Opportunities
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