

# HIGH SCHOOL COURSE GRADUATION REQUIREMENTS

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

| CURRICULAR<br>AREAS         | <b>Graduation</b>   |
|-----------------------------|---|
| <b>COMMUNICATION SKILLS</b> | 4 units<br>(Must include 1 unit in a core English class for each grade 9-12)  |
| <b>SOCIAL STUDIES</b>       | 3 units<br>(Must include 1 unit Am. History, 1 unit World History, 1/2 unit American Government and 1/2 unit Modern Global Issues)  |
| <b>MATHEMATICS</b>          | 3 units<br>(Must include 1 unit Algebra I and 1 unit Geometry or Algebra/Geometry I, Algebra/Geometry II, and Algebra/Geometry III)<br>*The Algebra/Geometry sequence is being phased out starting 2022-23 and will not be an option for the class of 2026 and beyond.) |
| <b>SCIENCE</b>              | 3 units<br>(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)  |
| <b>FINE ARTS</b>            | 1 unit  |
| <b>PRACTICAL ARTS</b>       | 1 unit  |
| <b>PHYSICAL EDUCATION</b>   | 1 unit<br>(Must include 1/2 unit of Foundations of Fitness)   |
| <b>PERSONAL FINANCE</b>     | 1/2 unit  |
| <b>HEALTH</b>               | 1/2 unit  |
| <b>ELECTIVES</b>            | 9 units   |
|                             |   |
| <b>Totals</b>               | 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<br>Govt. 1/2   | 3 Units<br>Govt. 1/2  |   |  |   |
| <b>MATHEMATICS</b>          | 4 Units<br>Alg. 1 & Higher   | 3 Units<br>Alg. 1 & Higher  |   |  |   |
| <b>SCIENCE</b>              | 3 Units<br>No General Science<br>1 Must Be a Lab Class               | 3 Units<br>No General Science<br>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<br>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.

# SENIOR YEAR ENROLLMENT OPTIONS

Enrollment opens in PowerSchool February 2nd. Enrollment Week is February 12th-16th.

All enrollment decisions must be completed and course requests entered into PowerSchool no later than February 16th.

## OPTION 1 - Enroll in a full 7-hour schedule

## OPTION 2 - Shortened schedule with Work Program/Internship

Talk to the appropriate Work Program Coordinator if interested in the SBE, CCE, or Marketing Work Internship Programs. SBE = Ms. Larza; CCE = Ms. Reed; Marketing = Ms. Wilson. **COMPLETE the online application by February 9th.** Students should check with the coordinator after February 16th to see if they have been accepted into the program, but may hear sooner. **Once accepted, students should enter both the Work Program class and Internship into their course requests.**

Students earn up to 3 credits in a school year for work internships – 1 for the class and 1 for work internship (average 10/week for 150 hrs) or 2 for work internship (average 20/week for 300 hrs).

## OPTION 3 - Enroll in Off-Campus Career Center and LSN classes

Attend a tour of interested facility (Herndon/CAPS, Cass, or Summit Technology Academy/MIC). **COMPLETE the online application for STA, Herndon/CAPS or CASS online by February 16th.** You will be contacted by a counselor if admitted to the program. This will occur after enrollment week and possibly after spring enrollment conferences. You will **choose a full schedule** for next year and we will change your requests if admitted to a program.

## OPTION 4 - Enroll in Longview and LSN classes

This is called the Early College Program, which will allow you to take ½ day classes at Longview and ½ day classes at LSN, or classes at Longview all day long with no attendance at North. There is an application process and GPA/ACT or GPA/Accuplacer requirement (**COMPLETE by February 16th**). **Choose a full schedule** for next year and we will change your requests if admitted to the Early College Program. Partial release can be AM or PM.

## OPTION 5 - Enroll in 6 credits and early/work release 1<sup>st</sup> hour or 7<sup>th</sup> hour

**Must turn in completed EARLY RELEASE form to Leslie Minx in the Main office by February 16th.** All signatures must be present on the form. Get this form today or from the Counseling office.

## OPTION 6 - Enroll in 6 credits and Clerical Aide for one hour

**Must turn in completed Clerical Aide form to Counseling Office by February 16th.** All signatures must be present on the form. Get this form today or from the Counseling office. Teachers may only have one Clerical Aide so please make arrangements soon.

## OPTION 7 – Semester Graduate

Enroll in full schedule first semester and graduate at the end of 1<sup>st</sup> semester. Complete full year 7-credit schedule at enrollment. Meet with your counselor in November to verify credits for early graduation. Second semester classes will be dropped at beginning of second semester if you finish all graduation requirements. **YOU MUST MEET WITH YOUR COUNSELOR THIS SEMESTER TO GO OVER SUMMER REQUIREMENTS TO MAKE THIS HAPPEN.**

# WORK INTERNSHIP PROGRAMS

## General Requirements

- Teacher approved employment (*employment secured by the time school starts in August*)
- 10 hours a week earns 1 credit for the year - 150+ hours
- 20 hours a week earns 2 credits for the year - 300+ hours
- 90% cumulative attendance
- GPA of 2.5
- Maintain same employment for school year

## Application Process

- Speak to the appropriate Work Program Coordinator
- Fill out an online application (*found on school enrollment website or pick up a handout with the link in the business hallway, or from the Work Program Coordinator*)
- The Work Program Coordinator will contact you by February 16th on the status of your application

A student approved for a work internship must enroll in a required course (1 credit) and internship (1 or 2 credits). Students can earn up to 3 credits in one school year from the work internship program. The required courses by program are listed below. For those involved in activities or sports, be aware of the credits required to remain MSHSAA-eligible and plan work hours appropriately (3.0 credits per semester required for MSHSAA).

| Program Name:   | SUPERVISED<br>BUSINESS<br>EXPERIENCE (SBE)   | COOPERATIVE<br>CAREER EDUCATION<br>(CCE)   | MARKETING   |
|---|--|--|---|
| Coordinator/Room #:   | Perri LaTerza/2159   | Joy Reed/2157  | Katie Wilson/2156   |
| Required Courses:   | Any yearlong business course OR any two-semester long business courses (one each semester) AND SBE Internship. Related courses may be taken face-to-face or online.  | Coop Career Education (CCE) AND Coop Career Work (CCE) Internship  | Marketing 101 (if you haven't already taken it), Entrepreneurship and Social Media, or Sports and Entertainment Marketing AND Marketing Internship  |
| Program is intended for students who want to work in the following areas: | <p>This program is designed for students who would like to work in business, offices, or technology type setting in areas such as:</p> <ul style="list-style-type: none"> <li>• Accounting</li> <li>• Administrative Support</li> <li>• Clerical</li> <li>• Computer Data Processing</li> <li>• Finance</li> <li>• General Office</li> <li>• Technology Support</li> </ul> | <p>This program is for students who want to work in the following areas:</p> <ul style="list-style-type: none"> <li>• Construction</li> <li>• Mechanics</li> <li>• Computer Drafting</li> <li>• Warehouse/ Stocker</li> <li>• Cooking/Food Preparation</li> <li>• Day Care/Child Care</li> <li>• Car Wash</li> <li>• Animal/Pet Care</li> <li>• Lawn Care</li> </ul> | <p>This program is for students who want to work in the following areas:</p> <ul style="list-style-type: none"> <li>• Apparel &amp; Accessories Retailing</li> <li>• General Retailing</li> <li>• Waiter/Waitress</li> <li>• Host/Hostess</li> <li>• Car Wash</li> <li>• Animal/Pet Care</li> <li>• Coffee Shops</li> <li>• School Store Manager</li> </ul> |

# 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 Juniors to be Seniors:

1. Please be sure to sign up for any and every class you still need for graduation. It is imperative these classes make it into your schedule. If you are in credit lag (will finish junior year with less than 19 credits), schedule a meeting with your counselor ASAP.
2. If you are applying to STA, Cass, or Herndon/CAPS, please choose a full schedule at this time. Fill out the application online. STA, Cass, Herndon deadline is the 16th. Once you are notified of admission, your counselor will change your requests to reflect STA, Cass, or Herndon/CAPS.
3. 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.
4. If you are applying for a work program, be sure to complete the application online on the enrollment website by Feb. 9th and meet with the work program coordinator. Ms. Reed - CCE, Ms. LaTerza - SBE, Ms. K. Wilson - Marketing. Once you are approved, you can make this program part of your requests for next year in PowerSchool. Remember to include the business class and Work Internship as part of your requests when approved.
5. Be aware of application deadlines, i.e. Early/Work Release, Clerical Aide, College Credit English, etc. All of these programs require an application, which are due February 16th. If you do not complete the application, you will not be placed in the course or program. You do not want to miss out on great opportunities.
6. 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 college choices and decisions.
7. 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 Feb 2nd-Feb 16th.
8. Feb 12th-16th. 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.
9. 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 |   |    | 11 | 12 |
| HS2831 | IB Spanish IV HL                 | T | 1.0 |   |    | 11 | 12 |
| HS2833 | IB Spanish V HL                  | T | 1.0 |   |    | 11 | 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 |   |    | 11 | 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 |   |    | 11 | 12 |
| HS2803 | IB French V HL                   | T | 1.0 |   |    | 11 | 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 |   |    | 11 | 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 |
| 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)

Health/Wellness for Life\*

\*[Must be completed in addition to 1.0 PE]

|        |  |  |     |  |  |    |    |
|--------|--|--|-----|--|--|----|----|
| HS8003 | Essentials of Athletic Training & 1 <sup>st</sup> Aid* |  | 0.5 |  |  | 11 | 12 |
|--------|--|--|-----|--|--|----|----|

\*[Does not count toward PE Graduation Req]

|        |                                  |   |     |  |  |    |    |
|--------|----------------------------------|---|-----|--|--|----|----|
| HS8013 | Mentoring in Physical Education* | A | 0.5 |  |  | 11 | 12 |
|--------|----------------------------------|---|-----|--|--|----|----|

\*[Does not count toward PE Graduation Req]

|        |                                     |   |     |  |  |    |    |
|--------|-------------------------------------|---|-----|--|--|----|----|
| HS8800 | IB Sports, Exercise and Health Sci* | T | 1.0 |  |  | 11 | 12 |
|--------|-------------------------------------|---|-----|--|--|----|----|

\*(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 |
|--------|------------------|--|-----|---|----|----|----|

\*(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 |
|--------|------------------|--|-----|--|--|----|----|

**ACT PREP**

|        |                 |  |     |  |  |    |    |
|--------|-----------------|--|-----|--|--|----|----|
| HS9000 | ACT Preparation |  | 0.5 |  |  | 11 | 12 |
|--------|-----------------|--|-----|--|--|----|----|

**LIBRARY ASSISTANT – Apply online for this position via LMC website.**

|        |                   |     |     |  |    |    |    |
|--------|-------------------|-----|-----|--|----|----|----|
| HS9041 | Library Assistant | T A | 1.0 |  | 10 | 11 | 12 |
|--------|-------------------|-----|-----|--|----|----|----|

**CLERICAL AIDE--Teacher approval/Pick up App. in Counseling**

|        |               |     |     |  |  |  |    |
|--------|---------------|-----|-----|--|--|--|----|
| HS9040 | Clerical Aide | T A | 0.0 |  |  |  | 12 |
|--------|---------------|-----|-----|--|--|--|----|

**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 | 0.5 |  |  | 11 | 12 |
|--------|-----|---|-----|--|--|----|----|

**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 | 9  | 10 | 11 12 |
| HA2002 | ONLINE French II T                      | 1.0 | 9 | 9  | 10 | 11 12 |
| HA2031 | ONLINE Spanish I                        | 1.0 | 9 | 9  | 10 | 11 12 |
| HA2032 | ONLINE Spanish II T                     | 1.0 | 9 | 9  | 10 | 11 12 |
| HA2038 | ONLINE Mand. Chinese for Heritage Spkrs | 1.0 | 9 | 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 | 9  | 10 | 11    |
| HA4000 | ONLINE Pre-Algebra                      | 1.0 | 9 |    |    |       |
| HA4023 | ONLINE Geometry                         | 1.0 | 9 | 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 | 9  | 10 | 11 12 |
| HA6080 | ONLINE Foundations of Drawing           | 0.5 | 9 | 9  | 10 | 11 12 |
| HA6081 | ONLINE Foundations of Design            | 0.5 | 9 | 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 | 9  | 10 | 11 12 |
| HA7024 | ONLINE Computer Hardware/OS II          | 0.5 | 9 | 9  | 10 | 11 12 |
| HA7021 | ONLINE Computer Bus App I               | 0.5 | 9 | 9  | 10 | 11 12 |
| HA7090 | ONLINE Cybersecurity Fundamentals I     | 0.5 | 9 | 9  | 10 | 11 12 |
| HA7091 | ONLINE Cybersecurity Fundamentals II    | 0.5 | 9 | 9  | 10 | 11 12 |
| HA7065 | ONLINE Intro to Web Design              | 0.5 | 9 | 9  | 10 | 11 12 |
| HA7061 | ONLINE Intro to Business Management     | 0.5 | 9 | 9  | 10 | 11 12 |
| HA7037 | ONLINE Intro. to Construction           | 0.5 | 9 | 9  | 10 | 11 12 |
| HA7017 | ONLINE Accounting I                     | 1.0 | 9 | 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 | 9  | 10 | 11 12 |
| HA7040 | ONLINE Fashion & Interior Design Found. | 0.5 | 9 | 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 | 9  | 10 | 11 12 |
| HA7060 | ONLINE International Foods              | 0.5 |   |    | 10 | 11 12 |
| HA7074 | ONLINE Personal Image/Relationships     | 0.5 | 9 | 9  | 10 | 11 12 |
| HA8007 | ONLINE Foundations of Fitness           | 0.5 | 9 | 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 | 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 II                          | 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

**LSR7**



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/<br>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





**DUE FEBRUARY 16, 2024**  
**(2024-25)**

**EARLY RELEASE APPLICATION**  
**(SENIORS ONLY - NO CREDIT)**

Name \_\_\_\_\_ Date \_\_\_\_\_

**THIS FIRST SECTION MUST BE FILLED OUT WITH YOUR COUNSELOR.**

1. **YOU MUST BE ENROLLED IN AT LEAST ONE (1) MORE CREDIT THAN IS REQUIRED TO GRADUATE. IF YOU ARE APPLYING FOR 2<sup>ND</sup> SEMESTER ONLY, YOU MUST BE ENROLLED IN ONE-HALF (1/2) CREDIT MORE THAN IS REQUIRED FOR GRADUATION.**

**\*\*\*\*\*STUDENTS MAY NOT LEAVE BEFORE 6<sup>TH</sup> HOUR\*\*\*\*\***

CREDITS EARNED TO DATE: \_\_\_\_\_

CREDITS TO BE EARNED YOUR SENIOR YEAR: 1<sup>ST</sup> SEM \_\_\_\_\_ 2<sup>ND</sup> SEM \_\_\_\_\_

TOTAL CREDITS NEEDED TO GRADUATE : **26**      TOTAL CREDITS YOU WILL EARN: \_\_\_\_\_

COUNSELOR SIGNATURE: \_\_\_\_\_

What class(es) will you drop from your schedule?

| <u>CLASS</u> | <u>TEACHER</u> | <u>HOUR</u> |
|--------------|----------------|-------------|
|              |                |             |
|              |                |             |

**PLEASE READ!!!**

**IF YOU PARTICIPATE IN ANY SCHOOL RELATED ACTIVITIES OR ATHLETICS THAT REQUIRE YOU TO BE ELIGIBLE, YOU MUST BE ENROLLED IN AND PASS AT LEAST 3.0 CREDITS (6 CLASSES OR 6 HOURS FOR CREDIT) THE SEMESTER BEFORE AND THE SEMESTER OF YOUR PARTICIPATION TO BE ELIGIBLE.**

2. **PLEASE CIRCLE ALL SCHOOL RELATED ACTIVITIES AND ATHLETICS YOU ARE INVOLVED IN FIRST SEMESTER, SECOND SEMESTER OR BOTH SEMESTERS.**

Choir  
Orchestra  
Band  
Cheerleading

Sports (fall, winter, spring)  
Auxiliary  
Auxiliary/Winter Guard  
Debate/Forensics

**ATHLETIC DIRECTOR SIGNATURE** \_\_\_\_\_

IF YOU **ARE NOT** INVOLVED IN ANY OF THE ABOVE ACTIVITIES PLEASE VERIFY BY SIGNING BELOW.

**SIGNATURE [student]:** \_\_\_\_\_

**3. PARENTAL APPROVAL**

AS PARENT OF THE AFOREMENTIONED SENIOR, I REQUEST THAT MY CHILD BE RELEASED FROM PART OF HIS/HER CLASSES TO WORK DURING THE SCHOOL DAY. I AGREE AND UNDERSTAND THAT MY CHILD'S PRIMARY RESPONSIBILITY IS TO MEET ALL NECESSARY OBLIGATIONS OF THE SCHOOL DAY AND MAINTAIN PASSING GRADES IN HIS/HER CLASSES. I CONFIRM THAT MY CHILD WILL BE WORKING FOR THE BUSINESS INDICATED.

As a parent of the aforementioned senior, I request that my child be released from part of his/her classes to work during the school day.

**PARENT SIGNATURE:** \_\_\_\_\_

**4. FINAL APPROVAL – PRINCIPAL**

**SIGNATURE:** \_\_\_\_\_

**ONCE YOU HAVE COMPLETED ALL 4 ITEMS, RETURN THIS FORM TO MS. MINX IN THE FRONT OFFICE.**



**Application Form LSNHS - Clerical Aide**  
**Non Credit Course - (Grade 12 ONLY)**

**DUE FEBRUARY 16, 2024**

Name: \_\_\_\_\_

Department you wish to clerical aide for: \_\_\_\_\_

Teacher's Name: \_\_\_\_\_ Teacher's Signature: \_\_\_\_\_  
(Teachers may only have one Clerical Aide unless approved by Dr. Collins)

Number of days absent this year: \_\_\_\_\_ (Have Attendance fill this in)

Cumulative GPA: \_\_\_\_\_ (Have Counseling Dept. fill this in)

Credits to Date: \_\_\_\_\_

Have you completed 10 hours of community service? \_\_\_\_\_

Parent Signature: \_\_\_\_\_

Counseling Dept. Signature: \_\_\_\_\_

***\*\*\*Clerical Aide does not count for credit. Students participating in MSHSAA activities must be enrolled in at least six credit-bearing classes to remain eligible.***



**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

Academics Amplified. Professions Launched.

1101 NW Innovation Pkwy  
Lee's Summit, MO 64086

816.986.3410

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📘 facebook.com/sta.lsr7

## 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/<br>Recommendations  |
|-----------------------------------|--|
| <b>ENGINEERING</b>                |  |
| Digital Electronics               | 2.5 or higher GPA; Algebra I with B- or better; 90% attendance<br><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<br><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<br><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/<br>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<br>(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<br>(at Paradise Park) | 2.5 or higher GPA; 90% attendance; Algebra I, Biology I, and Chemistry I with B- or better |

| Programs                            | Prerequisites/<br>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<br>(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<br>(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 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 |
|---|--|--|

### 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 |
|--|--|---|

### 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<br><b>*Daily Transportation is Required*</b> |
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### Emergency Medical Technician

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| 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

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| 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<br><b>*Transportation Required for Clinical Days*</b> |
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### HVAC/Industrial Maintenance

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| 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

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| 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

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| 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

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| 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<br><b>*Transportation is Required*</b> |
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### Welding and Metal Fabrication

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| 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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