

NORTHSHORE HIGH SCHOOL

COURSE DESCRIPTION GUIDE



100 PANTHER DRIVE



SLIDELL, LOUISIANA



2025- 2026

Administration

William Gallagher-Principal
Susan Johnston-Vice Principal
Stephen Gremillion-Vice Principal
Abbi Macmurdo-Vice Principal
Ayana Carr-Rodgers-Vice Principal

Introduction

The purpose of this guide is to help you and your parents make better decisions concerning your course selections for the coming year. The planning guide covers subjects for ninth through twelfth grades. Each class that a student chooses should be part of an overall plan. Perhaps a student has a certain career in mind; perhaps he/she is exploring different fields to help in selecting a vocation. He/She may be preparing for college or developing interest in one of the fine arts areas or other creative activities. A student should select courses which best suit his/her abilities and interests. A student's participation in a particular subject area should be based on a combination of logical and sequential courses of study which lead to the desired objectives.

Read this guide carefully and discuss your plans with your parents. It is essential that a student think seriously about a particular subject before scheduling it. A student will not be allowed to swap between teachers and courses once he/she has been placed in the course. Because the administration must plan for the next school year based on the subjects selected now, students cannot change subjects unless one of the following schedule change criteria is met:

1. incorrect placement,
2. meeting graduation requirements,
3. balancing of classes and protection of the integrity of the master schedule

Policy Statement

It is the policy of this high school not to discriminate on the basis of sex, race, color, religion, or national origin. It is most important for all parents and students to realize that all courses offered at this school are open to both males and females, and no distinction based on sex is made in the placement of students in courses.

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Career and Technical Education Compliance Notice

Career and Technical Education courses are available at all STPPS secondary sites and are open to all students. STPPS adheres to the equal opportunity provisions of federal and civil rights laws and does not discriminate on the basis of race, color, national origin, religion, age, sex, sexual orientation, marital status, or disability. The Title IX and Title II Coordinator is Mike Cossé, 321 N Theard Street Covington, La. 70433; phone (985) 892-2276; email Michael.Cosse@stpsb.org.

The 504 Coordinator is Candice Dozier, 321 N Theard Street Covington, La. 70433; phone (985) 898-3309; email Candice.Dozier@stpsb.org.

All students have the opportunity to participate in Career & Technical Programs of Study including, but not limited to, areas of Health Care, Construction Crafts & Trades, IT Computer Technology, Culinary Programs, and Agriculture. Admission requirements for each course can be found in the student course guide/schedule packet of the individual campus where the course is being offered. Please contact the guidance counselor at the specific school site for additional information, program requirements and/or any questions you may have.

Notificación Pública

Cursos de carrera y educación técnica están disponibles en todos los sitios secundarios de STPPS y están abiertos a todos los estudiantes. STPPS se adhiere a las disposiciones de igualdad de oportunidades de las leyes federales y los derechos civiles y no discrimina por raza, color, origen nacional, religión, edad, sexo, orientación sexual, estado civil o discapacidad. La coordinadora del programa de Title IX and Title II es Mike Cossé, 321 N Theard Street Covington, La. 70433; teléfono (985) 892-2276; correo electrónico Michael.Cosse@stpsb.org.

La coordinadora de las services de 504 es Candice Dozier, 321 N Theard Street Covington, La. 70433; teléfono (985) 898- 3309; correo electrónico Candice.Dozier@stpsb.org.

Todos los estudiantes tienen la oportunidad de participar en los programas de carrera y de estudio técnico, incluyendo pero no limitado a, las áreas de salud, artes y oficios de construcción, IT Tecnología de computadoras, programas culinarios y la agricultura.

Requisitos de admisión para cada curso pueden encontrarse en el paquete de guía/calendario del curso de la escuela donde se ofrece el curso. Póngase en contacto con el consejero de la escuela para obtener información adicional, los requisitos del programa o cualquier duda que tenga.

Thông Báo Hàng Năm

Các khoá học Giáo Dục Nghề Nghiệp và Kỹ Thuật diễn ra ở các địa điểm hai của STPPS và dành cho tất cả học sinh. STPPS tuân thủ theo các quy định về cơ hội bình đẳng của luật liên bang và quyền dân sự và không phân biệt đối xử trên cơ sở chủng tộc, màu da, nguồn gốc quốc gia, tôn giáo, tuổi tác, giới tính, khuynh hướng giới tính, tình trạng hôn nhân, hoặc khuyết tật. Điều phối viên Điều IX và Điều II là Mike Cossé, 321 N Theard Street Covington, La. 70433; điện thoại (985) 892-2276; email Michael.Cosse@stpsb.org.

Điều phối viên 504 là Candice Dozier, 321 N Theard Street Covington, La. 70433; điện thoại (985) 898-3309; email Candice.Dozier@stpsb.org.

Tất cả học sinh có cơ hội tham gia Chương Trình Học Nghề Nghiệp và Kỹ Thuật bao gồm nhưng không giới hạn các lĩnh vực như Chăm Sóc Sức Khỏe, Xây Dựng & Ngoại Thương, IT Công nghệ máy tính, Chương Trình Âm Thực, và Nông nghiệp. Yêu cầu cho mỗi khoá học có thể tìm thấy ở hồ sơ hướng dẫn khoá học và thời khoá biểu cho học sinh tại các trường tổ chức lớp học. Vui lòng liên hệ nhân viên tư vấn hướng dẫn tại các địa điểm trường học cụ thể để biết thêm chi tiết, yêu cầu chương trình và/hoặc các

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Special Help

Conference with Teachers: When parents wish to speak with a teacher either by phone or in person, they may contact the teacher directly. Teachers are provided with a preparation period to be used for meetings, and preparation of materials, etc. Teachers appreciate a parent telephoning or emailing rather than requesting a conference if the matter can be satisfactorily handled by telephone or email. Personal conferences are welcomed if the telephone or email conversation does not prove adequate. Parents may contact the counseling office to make appropriate arrangements for parent/teacher conferences.

Conference with Counselor: Students wishing to see the counselors should report to their counselor. If the counselor is unavailable, the student should sign in on their door and return to class and wait to be called. The best time to meet with a counselor in their office is before school, during the lunch hour or after school. Parents cooperate by calling for an appointment, thereby ensuring a planned conference. Information may also be obtained from the NHS website via the grade level counselor's webpage.

Students With Exceptionalities Department

Special education courses are offered which are designed to meet individual needs of students with exceptionalities through age twenty-two or when their course of study is completed. A determination of the course of study will be made on the students Individualized Educational Plan (IEP). Students with exceptionalities are served in resource rooms, self-contained settings, and inclusion settings. The Students with Exceptionalities department can be reached via the main phone line at 985-649-6400 ext. 2224.

Textbook Policy

Students may choose to check out textbooks or access textbooks online. Before a student's record is clear at the close of the semester, all state-issued books must be checked in. Books lost or damaged must be paid for by the student to whom they were issued.

GPA

A student's overall GPA is based on semester grades. All courses attempted shall be used to make this determination. If a student repeats a course failed, the "F" shall still be computed in the GPA. Students wishing to earn duplicate credits shall not earn a weighted grade in the repeated course (even if it has a weighted designation) unless the first credit earned was a "P" grade.

A grade point average shall not be rounded off. A grade point average is defined as an average of all subjects where A=4, B=3, C=2, D=1, F=0. Example: A 2.7 GPA cannot be rounded off to a 3.0. Transfer grades will be weighted only in the subjects weighted

Rank in Class

Refer to the latest version of the Pupil Progression Plan that is posted on the St. Tammany Parish website.

Advanced Placement Courses

Advanced Placement courses are college-level courses offered in high school for qualified students interested in pursuing a thorough, comprehensive program of study and research. Applicants who are accepted for these courses are encouraged to take the Advanced Placement Examinations near the end of the course. The score reported on the examination and each college's policy regarding advanced placement will determine whether college credit will be granted for the work.

Weighted Courses

In each core subject area all honors, gifted, Dual Enrollment and Advanced Placement courses are weighted. A weighted credit is given at semester for students who earn an A, B, or C semester average. Should a student need to drop a Dual Enrollment or Advanced Placement course at the end of first semester and switch to an on-level course, that first semester course will need to be repeated. Dual Enrollment and Advanced Placement courses follow different curricula and therefore students must take a full year of the same curricula to satisfy requirements for graduation.

Vocational Course Elective Offerings

The St. Tammany Parish School Board wishes to advise all students, parents, employees and the general public that all public-school vocational programs will be offered without regard to race, color, national origin, sex or handicap.

The coordinator of Title IX and Section 504 compliance activities is

Superintendent Frank Jabbia

Post Office Box 940

Covington, Louisiana 70434

Telephone 985- 646-4900

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Participation in Early Release/Short Day Program

Refer to the latest version of the Pupil Progression Plan that is posted on the St. Tammany Parish website.

School-to-Work Opportunity

School-to-work (STW) is a shift in educational priorities because it recognizes the purpose of education is to prepare our youth – whether they go to college or into the workplace – for productive citizenship and lifelong learning. This national initiative means changing the curriculum to make it more rigorous and relevant to today’s workplace needs. It connects school-internships in local businesses, Tech Prep programs, School Based Enterprises, and articulation with universities, community colleges, and vocational technical schools.

CLEP Testing

College-Level Examination Program, helps students receive college credit for a fraction of the cost of a college course. Developed by the College Board, CLEP is the most widely accepted credit-by-examination program available at more than 2,900 colleges and universities. Students will be offered an opportunity to take CLEP tests in a variety of courses including core classes, and foreign language classes. There is a fee associated with the test and must be submitted by the required deadline.

LEAP 2025

Incoming freshman entering in the 2022-2023 school year and beyond must pass three LEAP 2025 in the following categories to earn a standard diploma: (a) English I or English II; (b) Algebra I or Geometry; and (c) Biology or Government.

Louisiana Tuition Opportunity Programs for Students

What is “TOPS”?

Louisiana’s Tuition Opportunity Program for Students (TOPS) is a comprehensive program of state scholarships and one of the most innovative and progressive student assistance programs in the nation. TOPS has five components. Please refer to your table for the eligibility criteria for each component.

How and When to Apply for TOPS?

You must apply for all TOPS awards by submitting that version of the Free Application for Federal Student AID (FAFSA), which corresponds to the year you plan to enroll in a post-secondary school. There is a minimum GPA and ACT requirement. The Cumulative High School Grade Point Average shall be calculated by using only the course grades achieved for those courses included in the core curriculum. Students should sign up for the TOPS Tracker on the LOSFA website in order to track their progress toward meeting TOPS requirements. Email the office of Student Financial Assistance at mylosfa.la.gov for more information. The completion of FAFSA is a graduation requirement. Beginning October of Senior year, students should complete this online and submit the processes email.

Failure Due to Excessive Absences

If a student fails a course due to excessive absences, he/she may file an appeal with the child welfare and attendance office (Slidell School Board Annex). This appeal must be filed within ten school days of the ending of the semester in which the course was taken.

Summer School

St. Tammany Parish offers summer school courses each year for a set fee. Any courses failed during the school year should be repeated in summer school. Summer school applications are available on the Virtual Academy website. It is the parent and student’s responsibility to ensure that their students are enrolled in the appropriate summer school courses by the required deadlines. Summer school courses are for credit recovery only. They are not offered for new credit. Students are only allowed to take 2 credits of credit recovery per year and a maximum of 7 total credits for their high school education. Credit recover may also not meet NCAA eligibility requirements.

Credit Recovery

St. Tammany Parish offers credit recovery courses during the school year to juniors and seniors that may have failed a course in a previous year. These courses can be taken for a fee set by the district. It is the parent and student’s responsibility to ensure their student is enrolled in the appropriate courses. Students should contact their counselor to ensure this enrollment is done in a timely manner.

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Dual Enrollment Courses

Dual Enrollment courses give students an opportunity to earn college credit while completing high school courses. These courses are offered in a variety of subjects and through a variety of different colleges. The grades a student earns in these courses will not only go on their high school transcript, but also on their college transcript. Upon graduation, students will need to request a transcript from each of these colleges separately from the transcript they receive from the high school. The minimum requirements to enroll in academic dual enrollment courses is a cumulative 2.5 GPA and ACT scores of 19 Composite, 18 English and 19 Math.

Semester + Program

The purpose of the NHS Semester+ program is to encourage and support those students who are earning college credit while in high school through Advanced Placement courses, Dual Enrollment courses, and CLEP testing. The goal is for these NHS students to earn a minimum of 15 credit hours, which would be the equivalent of one semester of college. Students will be recognized for their achievements as they accumulate these college credits throughout their high school experience.

Grade Classification

Refer to the latest version of the Pupil Progression Plan that is posted on the St. Tammany Parish website.

Senior Exam Exemptions

Refer to the latest version of the Pupil Progression Plan that is posted on the St. Tammany Parish website.

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For Incoming Freshmen Beginning Fall 2024 and beyond.

*These are Northshore High School specific classes. Please visit the TOPS website (www.osfa.state.la.us/) and the La. Dept. of Education website for a listing of all classes.

LA TOPS University (24 Units)	LA TECH Diploma (23 Units)	Additional Information
4 Units of English- English I, English II, English III, and English IV	4 Units of English- English I, English II, Business English, and Technical Writing	<u>TOPS University Diploma:</u> The Louisiana TOPS University Diploma does not guarantee college entrance. It is strongly recommended that parents and students check with the individual college or university admissions offices to determine specific admissions requirements.
4 Units of Math- Required: Algebra I, Geometry, and Algebra II; 1 Unit: Algebra III, Pre-Calculus, AP Calculus, or AP Statistics	4 Units of Math- Required: Algebra I & Geometry; 2 units: Algebra II, Business Math, Math Essentials, Financial Literacy, Algebra III, Pre-Calculus, AP Calculus, or AP Statistics	The TOPS University Diploma does not guarantee that a student will be eligible for TOPS University Funding. *TOPS requirements may change for the most current changes please go to the LOSFA website.
4 Units of Science- Required: Biology and Chemistry 2 units: Physical Science, Physics, Environmental Science, Biology II	2 Units of Science- Required: Biology 1 unit: Physical Science, Chemistry, Environmental Science	<u>TOPS TECH Diploma:</u> Students should plan to switch to the TOPS TECH Diploma at the end of their 10th grade year in order to ensure there is enough time to take the required classes for graduation.
4 Units of Social Studies- Required: Government and U.S. History 2 units: World History, World Geography or AP European History, DE Psychology	2 Units of Social Studies- Required: Government, and U.S. History	Parents and students must meet with the school counselor if they want to pursue the Louisiana TOPS TECH Diplomas.
1 Unit: Physical Education I ½ Unit: Physical Education II ½ Unit: Health OR JROTC I and II may be used to meet the Health and P.E. requirements	1 Unit: Physical Education I ½ Unit: Physical Education II ½ Unit: Health OR JROTC I and II may be used to meet the Health and P.E. requirements	<u>Students must choose a pathway to determine requirements for graduation on the TOPS TECH Diploma</u> The TOPS TECH Diploma does not meet 4-year college entrance requirements or guarantee eligibility for TOPS TECH Funding.
1 unit of Fine Arts Survey or 1 year of a performance course	1 units: Shall include the minimum courses required to complete a Jump Start Pathway, Workplace Experience, and IBC Credentials	
2 units of the same foreign language	1 unit: Career Elective to be chosen from Quest for Success, Jobs for America's Graduates or Ag 1.	
1 unit of Financial Literacy		
2 elective units	Students must attain an approved statewide or regional credential(s) based on their chosen pathway.	

The Tops Tech Pathways offered at Northshore High School are listed on pages 8 through 12. Under each pathway are the electives that are offered at Northshore High School that count toward graduation requirements for each of the pathways. Additional courses may be offered at neighboring high schools to complete the Manufacturing Pathway and the Transportation, Distribution, & Logistics Pathway. You must speak with your counselor if you are interested in these courses.

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Course Progression by Content Area (On-Level University Diploma)

This is a suggested course progression for students that have LEAP scores in the Basic or Mastery range. This progression is intended for students that remain on a University Diploma.

	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Math	Algebra 1	Geometry	Algebra 2	Algebra 3 Or DE Algebra 3 (College Algebra)
English	English 1	English 2	English 3 Or DE English 3 (Comp 101)	English 4 Or DE English 4 (Comp 102))
Science	Physical Science	Biology	Chemistry	Environmental Science Or Biology 2 Or Physics
Social Studies	World Geography	Government	U. S. History Or DE U.S. History (HIST 200)	World History Or DE Western Civilizations () Or DE Psychology (PSYC 2015)
Other	PE 1 Fine Arts Survey Or other art elective Elective #1 Elective #2	PE 2 and Health Foreign Language 1 and 2 (Spanish, French or ASL) Elective #3	Financial Literacy Elective #5 Elective #6 Elective #7	Internship Or Short Day Or More Electives

Course Progression by Content Area (Tops Tech Diploma)

This is a suggested course progression for students that have LEAP scores in the Unsatisfactory or Approaching Basic range. This progression is intended for students to opt on to the Tops Tech Diploma at the end of their 10th grade year.

	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Math	Algebra 1 (Resource or Inclusion)	Geometry (Resource or Inclusion)	Math Essentials (Resource or Inclusion)	Financial Literacy (Resource or Regular)
English	English 1 (Resource or Inclusion)	English 2 (Resource or Inclusion)	Business English (Resource or Regular)	Technical Writing (Resource or Inclusion)
Science	Environmental Science (Inclusion)	Biology (Resource or Inclusion)		
Social Studies		Government (Resource or Inclusion)	U. S. History (Resource or Inclusion)	
Other	PE 1 Career Elective (Ag 1, Quest or JAG) Elective #2, 3, and 4	PE 2 and Health Elective #5, 6, and 7	Internship 1 and 2 Or Elective #8 and #9	Internship 3 and 4 Or Short Day Or More Electives

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Course Progression by Content Area (Honors/Gifted University Diploma)

This is a suggested course progression for students that have LEAP scores in the Mastery or Advanced range. This progression is intended for students that remain on a University Diploma.

	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Math	Honors Geometry Or Gifted Geometry	Honors Algebra 2 Or Gifted Algebra 2	DE Algebra 3 (Algebra - MATH 1300) AND DE Advanced Math (Trig - MATH 1400)	AP Calculus AB AND AP Calculus BC
English	Honors English 1 Or Gifted English 1	Honors English 2 Or Gifted English 2 Or AP Seminar	AP English 3 Language and Composition Or DE English 3 (Comp 1013)	AP English 4 Literature and Composition Or DE English 4 (Comp 1023)
Science	Honors Physical Science	Honors Biology Or Gifted Biology	Honors Chemistry	Honors Biology 2 Or AP Physics C Mechanics Or AP Environmental Science
Social Studies	Honors World Geography Or AP Human Geography	AP Government	AP U. S. History Or DE U.S. History (HIST 2020)	AP European History Or AP World History Or DE Western Civilizations (HIST 1010) Or DE Psychology (PSYC 2015)
Other	PE 1 Fine Arts Survey Or other art elective Elective #1 Elective #2	PE 2 and Health Foreign Language 1 and 2 (Spanish, French or ASL) Elective #3	Financial Literacy Elective #5 Elective #6	Internship Or Short Day Or More Electives

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Course Offerings by Pathway

Universal Courses – These courses count on all pathways:

- | | | |
|---|---|---|
| <ul style="list-style-type: none"> • Speech I • Quest for Success • Agriscience I • JAG (Jobs for America's Graduates) I-IV | <ul style="list-style-type: none"> • Customer Service • Principles of Business • Internship • Introduction to Business Computer Applications (IBCA) | <ul style="list-style-type: none"> • Emergency Medical Responder (EMR) • ROTC III • ROTC IV • Foreign Language I and II (must be the same language) |
|---|---|---|

Agriculture, Food & Natural Resources Pathway

The Agriculture, Food and Natural Resources Pathway immerses students in the fields of agriculture and related sciences. This pathway equips students with the knowledge of basic animal, plant, and soil science; plant cultivation and soil conservation; and agricultural operations such as farming, ranching, and logging.

Below is a recommended TOPS TECH elective course progression:

9 th Grade		10 th Grade		11 th Grade		12 th Grade	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Ag 1	Ag 2	Small Animal Care	Nutrition and Food AND Horticulture	Ag 3	Ag 4	Ag Leadership OR Internship	Agribusiness OR Internship

Below is a recommended TOPS UNIVERSITY elective course progression:

9 th Grade		10 th Grade		11 th Grade		12 th Grade	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Ag 1	Ag 2	Small Animal Care		Ag 3 AND Vet Assist 1	Ag 4 OR Vet Assist 2	Ag Leadership OR Internship	Agribusiness OR Internship

Certifications - **Ag 3** includes the Agritechnology Basic Certification

Other courses that count on this pathway are:

- Digital Media I
- Environmental Science
- Carpentry I

Manufacturing

The Manufacturing Pathway prepares students to work in the process and production fields. Pathway coursework equips students to design, create, assemble, install, and repair electrical and mechanical systems. Manufacturing workers will be able to move into advanced manufacturing careers to use innovative technology to improve current products or processes to assist companies in producing their products more efficiently.

**THIS PATHWAY CAN ONLY BE SUPPORTED BY TRAVELING OFF CAMPUS TO COMPLETE COURSEWORK.
DISCUSS OPTIONS WITH YOUR COUNSELOR.**

Transportation, Distribution and Logistics

The Transportation, Distribution, and Logistics Pathway focuses on the planning, managing, and moving of people, materials, and goods by road, pipeline, air, rail, and water. Pathway coursework will equip students to provide professional and technical support services for transportation infrastructure planning and management, logistics, mobile equipment and facility maintenance.

**THIS PATHWAY CAN ONLY BE SUPPORTED BY TRAVELING OFF CAMPUS TO COMPLETE COURSEWORK.
DISCUSS OPTIONS WITH YOUR COUNSELOR.**

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Architecture & Construction Pathway

The Architecture and Construction Jump Pathway encompasses a vast array of careers all focused on the construction, design/pre-construction, and maintenance/operations of structures. Pathway coursework will allow students to go directly into skilled trades or to continue their education to become professional architects, drafters, engineers, operators, and project managers.

Below is a recommended TOPS TECH elective course progression:

9 th Grade		10 th Grade		11 th Grade		12 th Grade	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Ag I	Ag II	Digital Media I	Carpentry I AND PLTW	Carpentry II	Ag III	Internship	Internship

Below is a recommended TOPS UNIVERSITY elective course progression:

9 th Grade		10 th Grade		11 th Grade		12 th Grade	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Ag I	Ag II	PLTW		Carpentry I AND Digital Media I	Carpentry II	Internship	Internship

Certifications - **Carpentry I** includes the CITF Carpentry Basic Certification

Carpentry II includes the CITF Carpentry Advanced Certification

Other courses that count on this pathway are:

- Environmental Science

Arts, A/V Technology & Communication Pathway

The Arts, A/V Technology, and Communication Pathway prepares students to organize and manage various visual aspects of data, visual arts, performing arts, and entertainment media industries.

Below is a recommended TOPS TECH elective course progression:

9 th Grade		10 th Grade		11 th Grade		12 th Grade	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Quest or JAG	Art 1	Art 2	Art 3	Art 4 AND Dig. Media I	Dig. Media II	Internship	Internship

Below is a recommended TOPS UNIVERSITY elective course progression:

9 th Grade		10 th Grade		11 th Grade		12 th Grade	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Art 1	Art 2	Art 3	Dig. Media I	Art 4 AND Digital Media I	Dig. Media II	Internship	Internship

Certifications - **Digital Media I** includes the Adobe Photoshop Basic Certification and Adobe Illustrator Basic Certification, resulting in the Adobe Visual Design Advanced Certification

Digital Media II includes the Adobe InDesign Basic Certification

Other courses that count on this pathway are:

- Fundamentals of HTML, CSS, and JavaScript (OpSpark I) includes Fundamentals of JavaScript Level 1 Basic Certification
- Advanced JavaScript, Programming and Web Development (OpSpark II) includes Advanced JavaScript Level 2 Advanced Certification
- Television Production I (Broadcasting I) includes Adobe Premier Basic Certification
- Television Production II (Broadcasting II)
- Beginning Band
- Intermediate Band
- Advanced Band
- Fine Arts Survey
- Digital Photography
- Media Arts
- Publications I (Yearbook I)
- Publications II (Yearbook II)
- Beginning Choir
- Small Vocal Ensemble
- Talented Music (all levels)
- Talented Theater (all levels)

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Business Management Pathway

The Business Management and Administration Pathway focuses on careers that plan, organize, direct, and evaluate all or part of a business organization. Students will learn fiscal responsibility when allocating and using financial, human, and material resources.

Below is a recommended TOPS TECH elective course progression:

9 th Grade		10 th Grade		11 th Grade		12 th Grade	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Quest or JAG	Customer Service AND IBCA	Digital Media I	Digital Media II	OpSpark 1	OpSpark 2	Internship	Internship

Below is a recommended TOPS UNIVERSITY elective course progression:

9 th Grade		10 th Grade		11 th Grade		12 th Grade	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Quest or JAG	Customer Service	Digital Media I		OpSpark 1 AND Digital Media II	OpSpark 2	Internship	Internship

Certifications - **Customer Service** includes the Business of Retail Basic Certification
Digital Media I includes the Adobe Photoshop Basic Certification and Adobe Illustrator Basic Certification, resulting in the Adobe Visual Design Advanced Certification
Digital Media II includes the Adobe InDesign Basic Certification
Operation Spark 1 includes the Fundamentals of JavaScript, Functional Programming and Web Development Level 1 Basic Certification
Operation Spark 2 includes the Fundamentals of JavaScript, Functional Programming and Web Development Level 2 Advanced Certification

Other courses that count on this pathway are:

- Agriscience II
- Agriscience III
- Medical Terminology
- Food & Nutrition
- ProStart I
- Speech II
- Publications I (Yearbook I)
- Publications II (Yearbook II)
- Media Arts I

Health Sciences Pathway

The Health Science Pathway prepares students to recognize, assess, diagnose, treat, and manage patient and medical needs in pre-hospital, disaster, hospital, medical office, and/or home health care settings.

Below is a recommended TOPS TECH elective course progression:

9 th Grade		10 th Grade		11 th Grade		12 th Grade	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Quest OR JAG	Health Science I	Food and Nutrition	Medical Terminology	EMR	Psychology AND Sports Medicine	EMT	EMT

Below is a recommended TOPS UNIVERSITY elective course progression:

9 th Grade		10 th Grade		11 th Grade		12 th Grade	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Health Science I	Food and Nutrition	DE Medical Terminology		EMR	DE Psychology AND Sports Medicine	EMT	EMT

Certifications: **EMR** includes the Emergency Medical Responder (EMR) Basic Certification
EMT includes the Emergency Medical Technician (EMT) Advanced Certification

Other courses that count on this pathway are:

- Digital Media I
- Digital Media II
- Environmental Science
- Patient Care Tech (CNA)
- Vet Assistant I
- Vet Assistant II

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Hospitality & Tourism Pathway

The Hospitality and Tourism Pathway prepares students for a variety of jobs within the food and lodging service industries. Pathway coursework includes instruction in food preparation, cooking techniques, equipment operation and maintenance, sanitation and safety, and communication skills.

Below is a recommended TOPS TECH elective course progression:

9 th Grade		10 th Grade		11 th Grade		12 th Grade	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Quest OR JAG	Speech I	Customer Service	Food and Nutrition	ProStart AND Speech II	Psychology OR Digital Media I	Internship	Internship

Below is a recommended TOPS UNIVERSITY elective course progression:

9 th Grade		10 th Grade		11 th Grade		12 th Grade	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Speech I	Customer Service	Food and Nutrition		ProStart AND Speech II	DE Psychology OR Digital Media I	Internship	Internship

Certifications - **Food and Nutrition** included the ServSafe Food Handler and ServSafe Food Protection Manager Regional Certifications

Customer Service includes the Business of Retail Basic Certification

Other courses that count on this pathway are:

- Publications I (Yearbook I)
- Publications II (Yearbook II)
- Environmental Science
- Digital Media II

Information Technology Pathway

The Information Technology Pathway prepares students for the design, development, installation, implementation, and maintenance of computer systems, software, hardware, networks, and cloud computing. Students will work with cutting-edge technology to develop tomorrow's products for use by business and consumers.

Below is a recommended TOPS TECH elective course progression:

9 th Grade		10 th Grade		11 th Grade		12 th Grade	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Quest for Success or JAG	IBCA	Digital Media I	Digital Media II	OpSpark 1 AND Robotics	OpSpark 2	Internship OR Broadcasting	Internship OR Broadcasting

Below is a recommended TOPS UNIVERSITY elective course progression:

9 th Grade		10 th Grade		11 th Grade		12 th Grade	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
IBCA	Digital Media I	Digital Media II		OpSpark 1 AND Broadcasting OR Robotics	OpSpark 2	Internship	Internship

Certifications - **Digital Media I** includes the Adobe Photoshop Basic Certification and Adobe Illustrator Basic Certification, resulting in the Adobe Visual Design Advanced Certification

Digital Media II includes the Adobe InDesign Basic Certification

Operation Spark 1 includes the Fundamentals of JavaScript, Functional Programming and Web Development Level 1 Basic Certification

Operation Spark 2 includes the Fundamentals of JavaScript, Functional Programming and Web Development Level 2 Advanced Certification

Other courses that count on this pathway are:

- Media Arts I

COURSE DESCRIPTIONS

English

English I

Grade 9

1 Credit Required for All Students

Honors Suggested Prerequisite: Mastery or Advanced on 8th Grade English LEAP

Students read, analyze, interpret, and respond to a variety of literature. Students also receive instruction in the following areas: grammar, paragraph development, organization of multi-paragraph themes, group discussions, listening, note taking, outlining, critical reading, study skills, and research.

English II

Grade 10

1 Credit Required for All Students

This course develops the skills of writing and literary analysis. Students will examine various works including short stories, novels, poems, essays and plays. Additionally, the course will encourage development of oral and listening skills through class discussion and presentations. Students practice the stages of the writing process. Using literature as a basis for writing assignments, students progress from short thematic essays to the beginning steps of an MLA style research paper.

English II Honors (H)

Grade 10

Honors Suggested Prerequisite: Mastery or Advanced on English I LEAP & A or B in previous English course

Honors English II is an AP preparatory course that deepens students' understanding of analyzing literature, composition and rhetorical communication. This course requires extensive independent reading at home. Students will write in-class timed analytical papers related to literature and rhetoric, complete an intensive study of vocabulary and write an in-depth research paper. The course is taught at a fast pace, studying literature at deep analytical depth, breadth and complexity.

AP Seminar

Grade 10

Suggested Prerequisites: Mastery or Advanced on English I LEAP

AP Seminar teaches you how to find and use evidence from experts, and how to present the case from your own perspective effectively, both through writing and multimedia presentations. AP Seminar standards will be taught alongside the English 2 curriculum.

English III

Grade 11

1 Credit Required for All TOPS University Students

English III is a study of American Literature. Students also receive instruction in the following areas: essay composition, research, grammar, speaking, listening, note taking, analyzing and evaluating written material.

DE English III

College Composition 1013

Grade 11

Prerequisite: (a.) Minimum ACT: English Subscore of 18, and Composite Score of 19 or higher; (b.) a 2.5 unweighted cumulative GPA.

This course, which emphasizes expository writing and effective reading, is an introductory course in writing for those students who demonstrate the ability to write at the expected college level. Students must complete a satisfactory portfolio to receive credit for this course.

Students earn 3 hours of college credit for completion of this course.

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AP English III

Language and Composition

Grade 11

Recommended Prerequisite: Mastery or Advanced on English II LEAP & A or B in previous English course

AP English III Language and Composition is a study of American Literature. The course aligns to an introductory college-level rhetoric and writing curriculum. Students should be able to read and comprehend college-level texts and apply the conventions of Standard Written English in their writing. Students will compose in several forms including in-class timed evidence-based analytical and argumentative essays. Students will evaluate, synthesize, and cite research to support arguments. Students will read and analyze rhetorical elements and their effects with a focus mainly on nonfiction texts. Students will also develop research skills and the ability to evaluate, use, and cite primary and secondary sources. This course will prepare the student for the AP-Language and Composition Exam.

English IV

Grade 12

1 Credit Required for All TOPS University Students

Through critical reading and evaluation, students cover British literature from the Anglo-Saxon Period to the Twentieth Century. Students also receive instruction in the following areas: critical essay writing, genre writing with literary devices, speaking, listening and evaluation of oral presentations. Students also complete a senior research project consisting of portfolio and presentation components.

DE English IV

College Composition 1023

Grade 11

Prerequisite: (a.) Minimum ACT: English Subscore of 18, and Composite Score of 19 or higher; (b.) a 2.5 unweighted cumulative GPA. Completion of College Composition 1013 with a C or better.

This course, which emphasizes expository writing and effective reading, is an introductory course in writing for those students who demonstrate the ability to write at the expected college level. Students must complete a satisfactory portfolio to receive credit for this course.

Students earn 3 hours of college credit for completion of this course.

DE English IV

College Literature

Grade 12

Prerequisite: (a.) Minimum ACT: English Subscore of 18, and Composite Score of 19 or higher; (b.) a 2.5 unweighted cumulative GPA or higher. Completion on Composition 1013 and 1023 with a C or better.

This course is designed to introduce students to poetry, prose, and drama produced by significant writers of American literature, with an emphasis on the development of understanding and appreciation. In this course, students will be exposed to works from major periods of American literature. Each reading assignment will be discussed in class and supplemented with lectures, notes, and assignments. **Students earn 3 college credits for completion of this course.**

AP English IV

Literature and Composition

Grade 12

Recommended Prerequisite: A or B in AP English III, ACT English Subscore of 21, a 2.75 unweighted cumulative GPA

The AP English Literature and Composition course aligns to an introductory college-level literary analysis course. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. This course prepares students for the AP English Literature and Composition test and the Analyzing Literature CLEP test.

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Business English

TOPS Tech Diploma Only

Grade 11; Prerequisite: English I & II

Students will develop written and verbal communication skills that are essential to success in business organizations and industry. Students are expected to read, comprehend, interpret, and analyze literary and informational texts and to create and publish documents such as reports, essays, letters, commercials, and technical manuals. Students will study rhetorical devices and persuasive techniques and apply research skills to identify a successful career path.

Technical Writing

TOPS Tech Diploma Only

Grade 12; Prerequisite: Eng. I, II & Bus. Eng.

Students will enhance writing and editing skills related to the many types of business and technical writing. Students study and develop a variety of documents generated in business and industry such as emails, reports, presentations, letters, newsletters, flyers, personal memoirs, comic strips, advertisements, public service announcements and business proposals. Students also apply research skills to plan a career path and employment portfolio.

Mathematics

Algebra I

Grade 9

1 Credit Required for All Students

Honors Suggested Prerequisite: Mastery or Advanced on 8th Grade Math LEAP & A in previous math course

This course includes understanding the use of the language of algebra, performing operations with real numbers, solving linear equations and inequalities, problem solving with equations, graphing linear equations, solving linear inequalities, solving systems of equations, computations with polynomials, factoring polynomials, performing operations with algebraic fractions, solving expressions containing radicals, solving quadratic equations, and understanding the integration of algebra with other mathematics.

Geometry

Grade 9, 10

1 Credit Required for All Students

Prerequisite: Algebra I

Honors Suggested Prerequisite: Mastery or Advanced on Algebra I LEAP, A or B in previous Math course

The course includes the structure of geometric relationships in a plane, properties of angles and perpendicular lines, methods of reasoning and types of proof used in geometry, recognition and application of theorems about parallel lines and planes, identification of polygons and their properties, identification of congruent triangles and their properties, the properties of similarity, the characteristics of a right triangle, the characteristics of a circle, perimeters, area and volume of geometric figures, and use of constructions.

Algebra II

Grades 10, 11

1 Credit Required for All TOPS University Students

Prerequisite: Algebra I & Geometry

Honors Suggested Prerequisite: Mastery or Advanced on Algebra and Geometry LEAP & A or B in previous math course

This course is the study of linear, quadratic, polynomial, radical, rational, logarithmic, exponential, and trigonometric equations, inequalities, and functions. This includes modeling, analyzing graphs, finding zeros, transformations of functions, systems of equations, function operations, and inverse functions. Data analysis, including data, distributions, populations, samples and inferences, is also studied.

Advanced Math Functions

Grade 11, 12

Prerequisite: Algebra II

This course will focus on multiple representations of functions through authentic and relevant real-life applications building on skills gained in Algebra II. Students will continue building statistical knowledge by exploring data through analysis of graphs, distributions, and statistical measures. This course explores topics using authentic and relevant applications to derive information from data in a real-world context.

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Algebra III

Grade 11, 12

Prerequisite: Algebra I, Geometry, and Algebra II

Students will solidify topics learned in Algebra II, while focusing on work with many types of functions such as polynomial, rational, radical, exponential, and logarithmic. Modeling real-life problems and fitting data to those models will be an integral component of this course. This course will prepare students for College Algebra.

DE Algebra III

College Algebra

Grade 11, 12

Prerequisite: Algebra I, Geometry, and Algebra II, Minimum ACT: English Subscore of 18, Math Subscore of 19, and Composite Score of 19 or higher, a 2.5 unweighted cumulative GPA.

College Algebra covers topics in algebra including solving and graphing equations and inequalities and working with functions including quadratic, polynomial, rational, exponential and logarithmic functions. It also covers complex numbers as roots for quadratic equations. **Students earn 3 hours of college credit for completion of this course.**

DE Advanced Mathematics

Trigonometry

Grades 11, 12

Prerequisite: (a.) Minimum ACT: English Subscore of 18, Math Subscore of 19, and Composite Score of 19 or higher; (b.) a 2.5 unweighted cumulative GPA AND Completion of College Algebra with a C or better

This course is a study of trigonometric functions, identities, and equations. It also covers angle measure, graphing of trigonometric functions, inverse functions, polar coordinates, limits, and continuity. **This is a course for students who plan to study Calculus.**

Students earn 3 hours of college credit for completion of this course.

AP Precalculus

Grade 11, 12

Prerequisites: Algebra I, Geometry, and Algebra II

Recommended Prerequisite: Grade of B or better in Algebra II (H) or (G)

In AP Precalculus, students explore everyday situations using mathematical tools and lenses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. They will learn how to observe, explore, and build mathematical meaning from dynamic systems, an important practice for thriving in an ever-changing world.

DE Applied Calculus

Grade 12

Prerequisite: Minimum ACT: English Subscore of 18, Math Subscore of 19, and Composite Score of 19 or higher, a 2.5 unweighted cumulative GPA. Completion of College Algebra with a C or better.

This course is designed as an introduction to differential and integral calculus designed for non-STEM majors. Topics will include limits, the derivative, applications of the derivative, antiderivatives, and the definite integral. Polynomial, rational, radical, exponential, and logarithmic functions will be studied.

AP Calculus AB

Grade 12

Prerequisites: Algebra I, Geometry, Algebra II, and Pre- Calculus

Recommended: "B" average or better in mathematics or ACT Math subscore of 22

An in-depth study of functions and their graphs, limits of a function, derivatives and their applications, integration and applications of the definite integral, transcendental functions, and plane analytic geometry will be presented. The course will be taught using a graphing calculator. It is recommended that the student purchase a graphing calculator. The instructor will provide a list of acceptable calculators.

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AP Calculus BC

Grade 12

Prerequisites: Algebra I, Geometry, Algebra II, Pre-Calculus, and AP Calculus AB

This course is primarily concerned with developing the students' understanding of the concepts of advanced calculus and providing experience with its methods and applications with the understanding that the student has completed at AP Calculus AB. The course emphasizes the multi-representational approach to calculus with concepts, results, and problems being expressed graphically, numerically, analytically and verbally.

AP Statistics

Grade 11, 12

1 Year Elective

Recommended Prerequisite: Grade of B or better in Algebra II (H) or (G) and Teacher Recommendation

Students will be introduced to the concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

1. Exploring Data: Describing patterns and departures from patterns
2. Sampling and Experimentation: Planning and conducting a study.
3. Anticipating Patterns: Exploring random phenomena using probability and simulation.
4. Statistical Inference: Estimating population parameters and testing hypotheses.

Math Essentials

Grades 9

TOPS Tech Diploma Only

The material covered in this course includes ratios and proportions, probability, statistics, topics in geometry, exploration of linear functions, step, piecewise and absolute value functions, quadratic functions, radicals, exponential growth and decay, map coloring and Euler paths and circuits.

Business Math

Grade 11

TOPS Tech Diploma Only

Prerequisite: Algebra I and Geometry

This advanced course focuses on math in business situations. Students will explore how businesses function through math applications. Topics include all facets of managing a business such as personnel, production, purchasing, sales, marketing, storage, distribution, services, accounting, and planning.

Financial Literacy

Grade 12

TOPS Tech Diploma Only

This course focuses on personal finance. Students will explore important life skills through mathematical applications. Topics address decision making and personal responsibilities such as understanding paychecks and income, budgeting, banking, credit, loans, buying a house, buying a car, insurance, and investments.

Science

Physical Science

Grade 9

Honors Suggested Prerequisite: Mastery or Advanced on 8th Grade Science LEAP & A or B in previous Science course

This course is designed as a preparatory course for high school chemistry and physics with emphasis on laboratory work and abstract thinking skills. The use of laboratory techniques is stressed along with the application and understanding of the basic fundamentals of chemistry and physics.

Biology

Grades 10

1 Credit Required for All Students

Honors Suggested Prerequisite: A or B in previous Science course & Teacher Recommendation

This course gives the student an understanding of the principles and concepts of living things and their organization. The student is introduced to the laboratory setting and investigates plant and animal life. The course includes a study of the use of the microscope, a study of cells, genetics, and the diversity of life. It covers plant and animal anatomy and physiology in the higher orders.

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Biology II

Grades 11, 12

Honors Suggested Prerequisite: Mastery or Advanced on Biology LEAP, A or B in previous Science course & Teacher Recommendation

This is an in-depth study of cells and cell processes, heredity evolution, and organisms. Special emphasis will be given to the chemical basis of life, the structure and function of cells, and comparative studies of plant and animal systems.

Chemistry

Grades 11

Required for TOPS University

The focus of this course includes laboratory experiences, demonstration, and problem solving. Topics for discovery include scientific notation and measurement, the mole and stoichiometry, formula writing, balancing equations, bonding, and qualitative and quantitative analysis.

Chemistry Honors (H)

Grade 11

Honors Suggested Prerequisite: Mastery or Advanced on Biology LEAP, A or B in previous Science course & Teacher Recommendation

This course is designed to prepare students for the beginning college chemistry courses. Emphasis is placed on applying the basics to higher level concepts. Topics covered include but are not limited to scientific measurement, matter and changes, atomic structure, nuclear chemistry, periodic table interpretation, chemical reactions, solutions, acids & bases, behavior or gases, the mole, stoichiometry.

Human Anatomy and Psychology (H)

Grade 11 or 12

Recommended Prerequisites: Mastery or Advanced on Biology LEAP and A or B in Honors Biology or A in Regular Biology

This is an advanced level for students interested in pursuing a degree in the health sciences, Biological sciences, or a nursing field. The course focuses on anatomical terminology, anatomical identification, and physiological processes of human body systems.

Physics

Grade 12

Recommendation: "C" average in Chemistry and Algebra II and concurrent enrollment or completion of Algebra 3 or DE Pre-calculus

The course includes the study of force, motion, work, energy, machines, fluids, magnetism, electricity, electronics, radiation, sound and light. This is a laboratory-based course which will deal with application of the natural laws and with problem solving.

AP Physics C: Mechanics

Grade 12

Recommended Prerequisite: "B" average in Chemistry (H) and Algebra II (H), Math subscore of 22 on ACT and concurrent enrollment in AP Calculus.

AP Physics C: Mechanics is a calculus-based, college-level physics course. It covers kinematics; Newton's laws of motion; work, energy, and power; systems of particles and linear momentum; circular motion and rotation; oscillations; and gravitation. College

Environmental Science

Grades 9, 10, 11, 12

This course focuses on ecosystems and the human condition, classification of environmental problems and their relation to economic and legal concerns, and explores the challenges that our environment presents to us.

AP Environmental Science

Grade 11, 12

Recommended Prerequisite: At least "B" average in Biology, Chemistry, and Algebra I.

This is a college level course that focuses on ecosystems and the human condition, classification of environmental problems and their relation to economic and legal concerns, and explores the challenges that our environment presents to us. Students will be expected to do basic algebra and to articulate their thoughts and ideas through both laboratory experiments and written communications.

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Social Studies

World Geography

Grades 9

A study of the physical world and cultural geography. Emphasis will include the development of geography skills with a focus on the study of world regions and the interdependence of these regions.

World Geography (H) (G)

Grades 9

Honors Suggested Prerequisite: Mastery or Advanced on 8th Grade Social Studies LEAP & A or B in previous Social Studies course

This course surveys the 10 major regions of the world. Students will examine the physical geography, history, and population patterns that contribute to each region's present-day geography with in-depth exploration of contemporary issues. Human well-being will also be evaluated.

AP Human Geography

Grade 9

AP Suggested Prerequisite: Mastery or Advanced on 8th Grade Social Studies LEAP & A or B in previous Social Studies course

This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. The curriculum reflects the goals of the National Geography Standards.

Government

Grade 10

1 Credit Required for All Students

The first semester is a comprehensive study of the U.S. political system including documents leading to independence, compromises of the Constitutional Convention, the U.S. Constitution, the three branches of government, rights and responsibilities of citizens, political parties, state and local governments, financing of government, and foreign policy. Second semester focuses on economic systems of the world, but more extensively a detailed analysis of capitalist economic system in the U.S. Major topics include the basics of economics, supply and demand, consumerism, saving and investing, borrowing and credit, GDP, consumer price index, and the Federal Reserve.

AP US Government and Politics

Grade 10

Recommended Prerequisite: "B" average in honors World Geography or "A" average in on level World Geography.

This course is designed to prepare students to take the AP exam to earn college credit. Major topics include foundational documents leading to independence and the formation of a representative form of government, compromises of the Constitutional Convention, a detailed analysis of the US Constitution and Amendments, interactions among the three branches of government, civil liberties and civil rights, political parties and participation, federalism, foreign policy, and the role of the Federal Reserve.

United States History

Grade 11

1 Credit Required for All Students

This survey course in American History covers the time period from 1870 to the present. Major topics include industrialization, immigration, the Great Depression, the major American wars, the Cold War, and social conflict. Upon completion, students should have a better understanding of the significant political, socioeconomic, and cultural developments in American history after the Civil War and Reconstruction.

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DE U.S. History

Grade 11

Prerequisite: Minimum ACT: English Subscore of 18, Math Subscore of 19, and Composite Score of 19 or higher; a 2.5 unweighted cumulative GPA.

This survey course examines in some detail the major historical periods of American History from post-Reconstruction era to the present. Emphasis is placed on how and why the nation developed over time. Higher-level thinking and writing skills are stressed, and both primary and secondary sources are utilized. Selected historical events, such as the Depression, World War I and II, and the post Vietnam Era are examined in great detail. **Students earn 3 hours of college credit for completion of the course.** All students will be required to complete a research/term paper by the start of the 3rd quarter.

AP U. S. History

Grade 11

Recommended Prerequisite: “B” average in English and Social Studies or Reading ACT Subscore of 22; and concurrent enrollment in AP English III

AP US History is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in U.S. History. The course covers the entire spectrum of U.S. History from colonial beginnings to the modern era. Students will analyze and interpret primary sources. They will take notes from printed materials, lectures and/or discussions, write essay examinations, and write analytical and research papers. Students should be able to express themselves with clarity and precision and know how to cite sources and credit the phrases and ideas of others. This course is intended for students who wish to complete studies in secondary school equivalent to a college introductory course in U.S. history. All students will read one book during the 2nd semester.

World History

Grades 12

This course is designed to acquaint you with the modern history of western civilization. The modern era begins circa 1350 with the Italian Renaissance. The first semester will provide a brief background from prehistory through the Reformation, and then explore the Scientific Revolution, the Age of Enlightenment, the Age of Exploration, the Age of Revolution, and the Industrial Revolution. The second semester continues with the beginnings of nationalism and imperialism and ends with a global history of the twentieth century.

DE Western Civilization

Grades 12

Prerequisite: Minimum ACT: English Subscore of 18, Math Subscore of 19, and Composite Score of 19 or higher; a 2.5 unweighted cumulative GPA.

The course is designed to present the important themes, ideas, and people from the Renaissance Era to the present.. The emphasis is on details, facts, stories of the great and tragic events of our past, but the big picture is the ultimate focus.

Students will earn 3 hours of college credit for completion of the course.

AP European History

Grade 12

Prerequisite: “B” or better in AP English III or Reading ACT subscore of 22.

Advanced Placement European History is a course designed to trace the major political, economic, social, military, and intellectual developments in Europe from approximately 1450-1970 (Renaissance through the Cold War.) Emphasis is placed on several key objectives: 1) The detailed exposure to artistic, philosophic, and literary movements unique to Europe, 2) A study of the impact of European political and military advances on the world, 3) Critical thinking and essay writing skills, which will be developed by examination and evaluation of historical documentation. 4) Working toward six hours of college credit by taking the Advanced Placement exam near the end of the year.

DE Psychology

Grades 11, 12

Prerequisite: Minimum ACT: English Subscore of 18, Math Subscore of 19, and Composite Score of 19 or higher; a 2.5 unweighted cumulative GPA.

The course is designed as an introduction to psychological theory and research. Topics include the nature of psychology and its history, research practices, learning and conditioning, developmental psychology, personality, social psychology, psychopathology and psychotherapy. Students will understand human behavior by examining the integrative influences of biological, psychological, and social-cultural factors as well as identify and define Mental Health Disorders and their associated treatment approaches.

Physical Education/Health Education

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Health Education

Grades 10, 11

½ Credit Required for All Students

This course is designed to motivate and assist students to maintain and improve their health, prevent disease, and reduce health-related risk behaviors. It allows students to develop and demonstrate increasingly sophisticated health related knowledge, attitudes, skills, and practices. The curriculum is comprehensive and includes a variety of topics such as personal health, nutrition, individual growth and development, injury prevention and safety, substance use and abuse, family living, consumer and community health, and communicable and chronic disease. Cardiopulmonary resuscitation (CPR) shall be taught.

Physical Education I

Grades 9

1 Credit Required for All Students

This course is designed to provide a broad range of activities that contribute to the development of a fully functional individual who is capable of living a healthy, productive life. Students have the opportunity to not only become involved in a broad range of movement forms, but to also gain intermediate and advanced level competencies on selected sports activities. The curriculum consists of the following activity units: football, volleyball, track and field, badminton, basketball, softball, golf, and physical/motor fitness.

Physical Education II

Grades 10

½ Credit Required for All Students

This course focuses on preparing individuals in developing an acceptable level of fitness and an appreciation of lifelong values through participation in a variety of lifetime sports activities. The curriculum consists of the following activity units: tennis, archery, bowling, and physical fitness.

Physical Education III

Grades 11

This course emphasizes lifetime sports, leisure pursuits, and the importance of physical fitness. Careers related to recreation and physical education, bodybuilding, intramurals, and outdoor education will be addressed.

Physical Education IV

Grade 12

See description of PE III

Military Science

ROTC

The Military Science I-IV program is divided into four primary courses (JROTC I-IV) and two optional Leadership Lab Courses (Basic and Advanced, JROTC V and VI)

Grades 9, 10, 11, 12

JROTC I and II may be used to meet the Health and P.E. requirements

Prerequisites: The student must meet the following requirements in order to participate in the program:

- A. 14 years of age or older**
- B. Citizen of the U.S. or approval of his/her government**
- C. Physically able to participate fully in Physical Education**
- D. Project a presentable appearance**

JROTC I and II may be used to meet the Health and P.E. requirements and must be completed before taking JROTC III and IV. JROTC I and II is combined into one class, as is JROTC III and IV. This grouping allows mentoring by experienced cadets and leadership development opportunities. For the fall semester, three sessions of JROTC I/II and three sessions of JROTC III/IV will be offered. In the Spring Semester, one session of each combined JROTC class is available along with two sessions each of JROTC 5 (Basic Leadership Lab) and JROTC 6 (Advanced Leadership Lab) are offered.

“JROTC I, The Emerging Leader” is the first of four primary courses in the Army Junior Reserve Officers’ Training Corps and supports twenty-two core lessons designed as an introduction to leadership principles and examples while setting the foundation for

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developing leadership potential making model citizens. As a first year cadet, you'll be exposed to content that will help the leader within you emerge. The knowledge, skills and abilities acquired in this unit are covered in six chapters: JROTC Foundations; Personal Growth and Behaviors; Team Building; Decision Making; Health and Fitness; and Service Learning.

The second of four courses in JROTC, is titled "JROTC II, The Developing Leader" and is designed with twenty-four lessons which build on JROTC I and introduces new content that helps the cadet develop leadership in the program, school and community. The eight chapters on JROTC II include: Leadership; Personal Growth and Behaviors; Team Building; First Aid; Decision Making; Health and Fitness; Service Learning; and Citizenship and Government.

Third-year JROTC Cadets can take "JROTC III, The Supervising Leader", which continues to build on JROTC I and II while also introducing content that allows the cadet to develop supervisory skills and abilities. The twenty lessons in this course are divided up into seven chapters: Leadership; Personal Growth and Behaviors; Team Building; Decision Making; Health and Fitness; Service Learning; and Citizenship and Government.

The fourth year class, "JROTC IV, The Managing Leader", builds upon all the foundations stones discovered in JROTC I, II and III. The course is divided into twelve lessons in five chapters; Leadership; Personal Growth and Behaviors; Team Building; Service Learning; and Citizenship and Government. JROTC IV cadets receive advanced leadership development, including the psychology of leadership with seminars in leadership and management. The fourth-year student will receive training on small unit leader problems, advanced communication, and staff functions.

In addition to the Primary JROTC I – IV Courses, two optional Spring courses, Basic (JROTC 5) and Advanced (JROTC 6) Leadership Labs are available upon completion of JROTC I and II (Basic) and JROTC III and IV (Advanced) and the permission of the Senior Army JROTC Instructor. The construct of these courses will include advanced Physical Fitness training; advanced Drill and Ceremony; Archery Marksmanship Training; advanced Staff and Leadership Training; First Aid Certification and Lesson Plan development and teaching.

Fine Arts

Art I

Grades 9, 10, 11, 12

Art I is a studio art course that provides an introduction to visual art through the completion of various 2-dimensional projects. Students will develop their observation and accuracy skills as they progress through a variety of projects such as still life drawing, perspective drawing, landscapes, portraiture, figure drawing, and painting. A wide range of drawing and painting media may be used such as graphite, charcoal, India ink, pastel, oil pastel, color pencils, tempera, watercolor, and acrylic paint. Students will develop compositional understanding by applying the elements of art and principles of design to their artwork. A variety of artists will be studied as students discover how they are relevant in art history and to the individual student's work. The Art Lab Fee is payable online.

Art II

Grades 9, 10, 11, 12

Prerequisite: Art I

Art II is a studio art course that builds on the student's skills and knowledge on how to use the elements of art and principles of design to produce artwork that demonstrates an advanced level of skill. Some 2-dimensional media such as drawing, painting, and printmaking will be explored further as students also explore concepts of modularity, sequence and series, relief, contour, structure, and symmetry to create a variety of 3-dimensional projects. Students will examine the function of space, volume, mass, plane, and line. Sculptural issues will be explored through the solution of design problems. The development of critical thinking skills as they apply to three-dimensional art forms will be emphasized to help students gain a deeper understanding of visual art. The Art Lab Fee is payable online.

Art III

Grades 10, 11, 12

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Prerequisite: Art I, II

Art III is a studio art course that scaffolds upon prior artistic knowledge and technical skills by building proficiency in conceptual artwork that expresses a student's individual voice. Individual needs and interests are met through advanced work in familiar media and techniques combined with exposure to new media and techniques. Students work independently with teacher guidance in two or three-dimensional areas of concentration. The Art Lab Fee for this course is payable online.

Art IV

Grade 11, 12

Prerequisite: Art I, II, III

Art IV is a studio art course designed to provide students with an experience equivalent to a college introductory course within a specific concentration. Students are expected to be independent learners who are willing to do what it takes to complete at least 20 works of art throughout the school year, illustrating a diversified number of skills within their specific chosen concentration. Art IV students are encouraged to concentrate on technical proficiency, creative problem-solving, and self-discovery. This focused exploration increases confidence and allows students to stay open to new possibilities and to become increasingly self-directed. Students are encouraged to investigate and create art that responds to issues they feel strongly about and, in the process, develop their own artistic vision and voice. Upon completion of this course, students will assemble a portfolio of their artwork for college admissions, art exhibits, or personal use. The Art Lab Fee for this course is payable online.

Art (Talented)

Grades 9, 10, 11, 12

Special Selection Process

Talented Art is an accelerated art class where advanced, intensive studio problems are presented in a small group setting, addressing a broad range of visual art media. Students will improve studio skills both technically and expressively, as well as their understanding of aesthetics, and their historical knowledge of the visual arts. Students explore drawing, sculpture/ceramics, painting, design and printmaking in depth over the course of four years in the program, developing a competitive portfolio of strong original work. Students are only admitted to the class who have an identified exceptionality as being Talented in the Visual Arts.

Fine Arts Survey

Grades 9, 10, 11, 12

The Fine Arts Survey curriculum addresses the needs of the college bound student not enrolled in a performing arts class. That is, one who studies the arts disciplines without the pressure of artistic performance or display. The overall objective of the course is to provide awareness of the interaction between the arts and culture over time and to encourage reflection upon the judgments concerning the qualities of works of art as expressions of the common human experience.

Media Arts I

Grades 10,11,12

Media Arts I is a studio art course designed to teach students how to create digital artwork and graphics on computers through the mastery of Adobe Photoshop and Adobe Illustrator. Through the completion of a variety of media arts projects, students will use industry standard photo editing and design software to manipulate, edit, composite, and render their original digital artwork. By the end of this course students have the opportunity to become ACA certified in Adobe Photoshop and Adobe Illustrator. Basic computer literacy is recommended for this course.

Digital Photography

Grades 11, 12

Digital Photography I is a studio art course designed to teach students how to use digital cameras (DSLR) to capture a variety of different types of artistic imagery. Topics covered in this class include the fundamentals of exposure, composition, lighting and staging, editing techniques, color correction, delivery for print and digital media, working with models, and digital workflow management. Students will use industry standard software like Adobe Photoshop and Adobe Lightroom to enhance, correct, edit, and publish their original photography. Upon completion of this course, students will create a portfolio of their work, be able to shoot and edit professional quality photos, and become ACA certified in Adobe Photoshop. Basic computer literacy is recommended for this course.

Music

All band and chorus classes are performance classes.

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Beginning Band (9th Grade)

Instrument Technique (10th Grade)

Advanced Band (11th Grade)

Applied Music (12th Grade)

Band students enrolled in woodwind, brass, percussion, and cadet classes will be challenged to achieve mastery and musical expertise in the following elements of music:

1. harmonic and melodic discrimination
2. rhythm
3. instrumental nomenclature and maintenance
4. musical fundamentals

Appropriate musical literature will be performed in both concert band and marching band performances. Special emphasis will be placed on good tone quality and technical dexterity.

Studio Piano I

Grades 10, 11, 12

This is a class for beginning and intermediate piano students who wish to develop their keyboard skills and knowledge of music theory. A fee for materials and supplies will be required.

Beginning Choir

Grades 9,10,11,12

Beginning Choir is designed for any incoming freshman or current Northshore female who has previously not enrolled in a choral ensemble at Northshore High. In this ensemble, the student will learn basic vocal technique, the study of solfege, music theory, and perform in three or more after school concerts. The student will develop an understanding of the choral repertoire and will perform on every choral concert program. This course does require some after school rehearsal.

Small Vocal Ensemble (Women's)

Grades 10, 11, 12

Prerequisite: Must complete beginning choir and successfully audition for the director.

Women's Choir is designed for girls with the desire to sing in an all female choral ensemble. In this ensemble, the student will continue to develop music theory skills, develop a healthy vocal technique, continue developing an understanding of choral music, sing both Women's and Mixed choir repertoire, and perform in three or more after school concerts. This course does require some after school rehearsal.

Small Vocal Ensemble (Men's)

Grades 9,10,11,12

Prerequisite: New/incoming students have met and informally sung for director. Returning students have successfully auditioned in the Spring Semester prior to the upcoming academic year.

Men's Choir is designed for all boys wanting to sing in an all male choral ensemble. In this ensemble, the student will learn how to read music, develop a healthy vocal technique, develop an understanding of choral music, sing both Male and Mixed Choir repertoire, and perform in three or more after school concerts. This course does require some after school rehearsal.

Music (Talented)

Grades 9, 10, 11, 12

Special Selection Process

The talented music program is a part of the special education program which is only available to persons who have been selected and screened by designated personnel. Information on the admissions process is available from any music teacher or the special education office. This course consists of accelerated training in the areas of music theory, history, composition and performance.

Theatre (Talented)

Grades 9, 10, 11, 12 - Special Selection Process

Talented theatre is a part of the Special Education program which is only available to students who have been evaluated through auditions. The course consists of accelerated and in-depth training in a variety of theatrical areas including performance, design, directing, and history.

NOCCA

Grades 9, 10, 11, 12 - Special Selection Process

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General: NOCCA is a professional arts training center within New Orleans Public Schools that is open through audition to all students in the metropolitan area. Although most of NOCCA's students attend local public schools, students from private and parochial schools also attend NOCCA. Students attend NOCCA part-time each day and take the required courses at another school. Not a school but a center, NOCCA serves as a satellite of students' regular schools. Course work at NOCCA counts toward high school graduation. NOCCA's curriculum is designed to prepare students to follow a path toward professional careers involving any of NOCCA's five art disciplines: Dance, Music, Theater, Visual Arts, Creative Writing. These programs of study are professionally oriented, highly structured, and academically rigorous. Commitment to serious study is tested at NOCCA so that students can experience what will be expected of them in professional arts careers. Realistic career preparation is the goal. Enrollment at NOCCA for at least three years is recommended.

Electives

ACT Prep

Grade 10, 11, 12

This course is designed to help students prepare for the ACT college entrance test. The students will learn test-taking strategies as well as take sample tests. Practice assignments are required on a daily basis. Opportunity for test prep on other tests (CLEP, AP, etc.) may also be available.

Financial Literacy

Grade 11 or 12

Required for all University Diploma students beginning with students entering 9th grade in 2024

This course focuses on personal finance. Students will explore important life skills through mathematical applications. Topics address decision making and personal responsibilities such as understanding paychecks and income, budgeting, banking, credit, loans, buying a house, buying a car, insurance, and investments.

Psychology

Grade 11, 12

This course introduces high school students to the study of psychology. Students analyze human growth, learning, personality, and behavior from the perspective of major theories within psychology, including the biological, psychosocial, and cognitive perspectives. Course components include an introduction to the history, perspectives, and research of psychology; an understanding of topics such as the biological aspects of psychology, learning, and cognitive development; the stages of human development; aspects of personality and intelligence; the classification and treatment of psychological disorders; and psychological aspects of social interactions.

Publications I: Yearbook I

Grades 10, 11, 12

Ownership of a digital camera is highly recommended.

This basic course is required for all students interested in being a member of the yearbook staff. Hands-on instruction includes design, photojournalism, writing, sales, marketing, advertising, collaboration with publishing companies, and using online publishing software. Students are introduced to and begin to develop skills in the use of Adobe Photoshop, HJ EDesign, and HJ EBusiness. Students are required to participate in advertising and book sales campaigns. Emphasis is placed on developing skills in layout and design, graphics, and the use of Adobe Photoshop. Students assume responsibility for planning and coverage of spreads in *Quicksilver*. Any student interested in being on the yearbook staff must obtain an interest form in the spring each year and submit it by the deadline.

Publications II: Yearbook II

Grade 11, 12

Prerequisite: Publications I; ownership of a digital camera highly recommended

An extension of theory and skills taught in Publications I (Yearbook I), with added leadership responsibility in the form of the editorial board. Students further develop their skills and knowledge in the use of Adobe Photoshop. Advanced students assume greater responsibility for the publication's planning and production. Students are required to participate in advertising and book sales campaigns. Students assume responsibility for planning and coverage of spreads in *Quicksilver*.

Speech I

Grades 9, 10, 11, 12

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This course will provide the fundamentals of oral communication. It will instill within the student an understanding and appreciation of the various facets of public speaking and give the student practice in gaining valuable speaking skills. The student will learn the importance of verbal and nonverbal communication in expressing one's ideas. The course will offer practical experience in the following types of speeches: 1) informative, 2) introduction, 3) persuasive, 4) demonstration, 5) impromptu. During the second semester, the student will be introduced to choral reading and interpretational reading skills.

Speech II

Grades 10, 11, 12

Prerequisite: Speech I

This course will further the student's knowledge of fundamentals of oral communication focusing on verbal and non-verbal communication, and effective and ineffective communication. The student will continue giving oral presentations in class that focus on previous mastery of presentation skills. Interviewing skills for partner presentations and future employment purposes, as well as soft skills in the workplace are covered thoroughly. Group discussions and round table discussions on current event topics where students must support their opinions is a focus as well.

DE Speech

Grades 11, 12

Prerequisite: (a.) Minimum ACT: English Subscore of 18, and Composite Score of 19 or higher; (b.) a 2.5 unweighted cumulative GPA or higher.

This course is designed to train students in the organization of materials and the oral and physical aspects of delivery in various speaking situations. It is intended to give the beginning student an understanding of and practice in public speaking.

Television Production I

Grades 10, 11, 12

Fall Semester Elective

Recommended Prerequisite: Digital Media I

Fee: \$25 per year

This introductory course offers hands-on experience in journalistic writing, video production, digital media, public speaking, and more. Students will work in a professional video production lab, mastering industry-standard equipment and software like Adobe Premiere Pro, which can lead to certification. Participants will contribute to campus life through announcements and news stories, developing creativity and storytelling skills while gaining foundational knowledge in broadcasting and journalism.

Television Production II

Grades 10, 11, 12

Fall Semester and Spring Semester Elective

Prerequisite: Television Prod. I

Fee: \$25 per year

Designed for students advancing from Television Production I, this course deepens broadcasting and journalism skills while introducing leadership roles in Panther Television. Students will manage projects like PTV specials, focusing on meeting deadlines and engaging audiences. The course emphasizes hands-on learning, refining skills in video production and editing, and preparing students for advanced creative projects.

Television Production III

Grades 10, 11, 12

Spring Semester Elective

Prerequisites: Television Prod. I & Television Prod. II

Fee: \$25 per year

This advanced course builds on prior levels with a focus on leadership, collaboration, and mastery of broadcasting techniques. Students will tackle ambitious projects, refine video production and public speaking skills, and manage deadlines in a professional setting. Acting as mentors to lower-level students, they'll enhance their expertise while contributing to the program's growth, preparing for careers in television production.

Robotics

Grades: 10, 11, 12

NORTHSHORE HIGH SCHOOL COURSE GUIDE 2025-2026

Prerequisites: Completion of Algebra I with a B or higher

The objective of this course is to introduce students to the field of Robotics and stimulate their interests in science and engineering through the participation of the entire engineering design process. This course covers a variety of multidisciplinary topics necessary to understand the fundamentals of designing, building, and programming robots.

Project Lead The Way - Principles of Engineering

Grades: 10, 11, 12

Prerequisites: Completion of Algebra I with a B or higher

Students explore how modern engineers help improve the world through diverse engineering fields, such as product design, mechanical design, infrastructure, and sustainability. Students learn and use some of the cutting edge tools engineers use in robotics, 3D modeling, programming, and prototyping.

Gifted Independent Research

Grades 11 and 12

Prerequisites: Gifted IEP in STPSB

Students will explore their passions and develop advanced research skills. Throughout the course, they will be immersed in the research process from inception to completion of a selfselected project for which they will gather, evaluate, document, and synthesize sources including scholarly articles from academic journals, data and information from credible sites and publications, authentic data through self-designed methods, anecdotal evidence, and other mediums such as interviews. Finally, they will present their findings through various mediums that may include but are not limited to short films, works of art, speeches or performances, fictional or nonfictional creative writing, and video series. This course will enhance and encourage the development of critical and creative thinking skills, self-directed learning, and problem solving as well as prepare students for the rigor of college and career through organizational methods, accountability checks, and seminar discussions.

Health Sciences

Health Science I

(Health Occupations)

Grade 9, 10, 11, 12

This course provides an introduction to careers in the field of health sciences.

Health Science II

(Medical Terminology)

Grade 10, 11, 12

This course introduces students to the terminology and technology used in health science careers.

DE Medical Terminology

Grade 11, 12

Prerequisite: Highly recommended to complete Physical Science and Biology with a “B” or better AND minimum ACT: English Subscore of 18, Math Subscore of 19, and Composite Score of 19 or higher; a 2.5 unweighted cumulative GPA.

This course covers basic medical terms and focuses on work analysis, spelling, and pronunciation with an explanation of medical terms used to describe health and disease. The body systems covered include the digestive, urinary, reproductive, nervous, and cardiovascular systems.

Sports Medicine I

Grade 11, 12

Recommended Prerequisite: Concurrent enrollment in Medical Terminology or previous grade of “B” or higher in Medical Terminology

This course will provide an overview of the field of sports medicine as well as expose students to fundamental skills involved in a sports medicine healthcare setting. Students will learn about the study of medicine and how the field of sports medicine is unique in its focus and delivery of healthcare. Topics covered in this class include an examination into the different career paths in the sports medicine field and how each medical profession contributes to a coordinated sports medicine healthcare delivery team. An emphasis on the professional aspects involved in becoming a healthcare provider is also covered.

Emergency Medical Responder

Grades 11, 12

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Student must submit Interest Form

Students and Parents must attend mandatory meetings.

Description and Prerequisite will be provided in addendum.

This course prepares students with the knowledge and skills necessary to provide immediate lifesaving interventions. Students who pursue certification as an Emergency Medical Responder through the Louisiana Bureau of Emergency Services, a subsidiary of the Louisiana Department of Health, are eligible to take Emergency Medical Technician the following year.

Emergency Medical Technician (EMT) (NTCC) (DE)

Grade 12

Full Year Course

Student must submit Interest Form

Prerequisite: EMR Certification

Students and Parents must attend a mandatory meeting.

Description and Prerequisite will be provided in addendum. Students must be 18 years old to complete the certification test.

This may occur after a student's graduation.

This course is taught by an Emergency Medical Services professional from Northshore Technical Community College. Instruction focuses on providing out-of-hospital emergency medical care and transportation for patients who access the EMS system. Students in this course are prepared for certification as an Emergency Medical Technician through the Louisiana Bureau of Emergency Services, a subsidiary of the Louisiana Department of Health. Please note that scholastic accommodations are not allowed per the certifying agency.

Pre-Practical Nursing (NTCC) (DE)

Grade 11 and 12

Full Year Course

(2-year commitment)

By application only

Entrance Requirements: 2.0 unweighted GPA, PreACT/ACT Scores: Math 19, Reading 18, English 14, Guidance Counselor recommendation required

Interview Required

Students in Grade 11 begin the Practical Nursing program by taking online Anatomy and Physiology for Nursing and Medical Terminology classes. In Grade 12, students in the program exit campus to take Practical Nursing coursework on the campus of Northshore Technical Community College and practice nursing skills in a clinical setting. After graduation, students are expected to attend Northshore Technical community college for three semesters to complete the program.

Medical Assistant (NTCC) (DE)

Full Year Course

Grade 12

Student must submit Interest Form

Students and Parents must attend a mandatory meeting.

PreRequisite: Emergency Medical Responder Certification

This course offers a comprehensive, student-centered education designed to prepare the graduate for entry-level employment in a multitude of healthcare settings, national certification and to obtain knowledge and skills that serves as the foundation to build a successful career. **Preferential seating will be given to students on the Tops Tech diploma pathway.**

Agriculture

Agriscience I

Grades 9, 10, 11, 12

This is a survey course involving soil, animal and plant science. FFA leadership activities such as parliamentary law, public speaking, small engines, metal working, agricultural economics, and occupational information are also stressed. A student enrolled in this course must also become a member of FFA where he/she may participate in livestock projects, garden plots, and greenhouse activities.

Agriscience II - Plant Science

Grades 9, 10, 11, 12

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Prerequisite: Agriscience I

This course is designed to focus on plant growth, production, and management. We build off of base knowledge of plants and go in depth regarding specialized plant production in various areas of Ag from food and fiber crops, forestry, landscape, and ornamental horticulture. BASF Plant Science Certification earned by the end of this course.

Agriscience II - Production Animal

Grades 9, 10, 11, 12

Prerequisite: Agriscience I

This course is designed to cover in depth study in the production, management and evaluation of livestock based on their intended use in the industry. The course includes livestock facilities and management to guide students on current Ag issues in the animal production industry. Units covered will include safety, biosecurity, feeds and feeding, genetics and reproduction, livestock evaluation and selection, production and facility management and Ag issues. Meat Processing Certification earned by the end of this course.

Agriscience II

Grades 9, 10, 11, 12

Prerequisite: Agriscience I

This is a specialized training course involving advanced beef, crops, forestry, poultry, small engines, and metalworking, swine, horses, forages, horticulture, FFA leadership, wildlife conservation, agricultural economics, sales and service, processing all types of meats, and occupational training. A student enrolled in this course must also be a member of the Future Farmers of America (FFA).

Agriscience III

Grades 10, 11, 12

Prerequisite: Agriscience I and II

Agriscience III is designed for the advanced studies of the science of agriculture. The student will receive instruction in the latest areas of aquaculture, hydroponics, aquaponics, tissue culture, and other pure science methods of producing food and fiber. The student will work on and develop plans for future career options. Students have the opportunity to earn an IBC in Agritechnology.

Agriscience IV

Grades 11, 12

Prerequisite: Completion of Ag 1, 2, and 3 with a "C" or better

This course is an advanced study in Agriscience based upon applying knowledge of the agriculture field. The major areas of study should include FFA, leadership skills, animal systems, plant systems, environment and wildlife management, and mechanical skills. Math, science, English, biology, and human relation skills will be reinforced in the course. Supervised Agricultural Experience (SAE) programs and the FFA leadership activities are integral components of the course and provide many opportunities for practical application of instructional competencies. Students will have a chance to become certified Agritechnology Specialist.

Small Animal Care

Grade 10, 11, 12

Through this class students will learn small animal husbandry for various breeds of birds, cats, reptiles, and rodents. Students will also learn about careers in the animal industry as well as animal nutrition. Students will also see and have the ability to learn hands-on applications with live animals in the classroom. This course will have in class presentations of information

Veterinary Assistant 1

Grade 10, 11, 12

Recommended Prerequisite: Completion of Small Animal Care with a "B" or higher OR Ag 1 and Ag 2 with a grade of "B" or higher

Students will be educated on animal welfare, husbandry and basic medicine. Students will have many opportunities to learn through hands-on applications on many different species. Students will interact with professionals pertaining to different careers, through demonstrations. Students will also learn about overall animal information that is vital to an actual veterinary assistant profession.

Veterinary Assistant 2

Grade 12

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Prerequisite: Veterinary Assistant 1 with a grade of “B” or better

Students will expand their knowledge on information previously taught in Vet Assistant I, and expand their horizons to more in-depth lessons. Students will gain a deeper insight into the veterinary medicine world, and be provided with more information vital for this industry. Along with this course students would be advised to become an intern at a veterinary practice and use the information they have gained in real world applications.

Horticulture I

Grades 11, 12

Horticulture is the art and science of growing fruits, vegetables, and ornamental plants. The Louisiana Manual for the Environmental Horticulture Industry is used as the content of the course including but not limited to plant nomenclature and classification, plant growth and development, propagation, landscape installation and maintenance. The program comprises three main areas: school beautification, special event staging, and community service. The course is very “hands on” and much of the work is in our green house.

Horticulture II

Grade 12

Prerequisite: Horticulture I

Course includes six hours of community service in ornamental beautification outside of class time. The course develops students to lead and develop horticulture projects and more sophisticated methods of propagation. The hands-on approach is to develop students to be able to run their own landscape business and learn employment options in the green industry.

Carpentry I (NTCC) (DE)

Grade 10, 11, 12

Full Year Course

This course is designed to introduce students to the crafts and trade of carpentry. Units focus on careers in the field, construction mathematics, safety, and basic hand and cutting tools for cutting, shaping, fastening, and finishing. The class also provides hands-on experience for students as they complete step-by-step projects that require basic skills, including the tote box, step stool, bird house, and storage chest. Upon successful completion of the units, students will become certified in Career Connections Core and Career Connections, Level 1 industry-based certification. Preferential seating will be given to students on the Tops Tech diploma pathway.

Carpentry II (NTCC) (DE)

Grade 11, 12

Full Year Course

Prerequisite: Pre-Apprenticeship 2 Certification

This course provides hands-on experience for students as they complete step-by-step projects that require intermediate skills, including a saw horse, picnic table, skateboard ramp, playhouse, and shed. Upon successful completion of the units, students will become certified in Career Connections, Level 2 industry-based certification. Preferential seating will be given to students on the Tops Tech diploma pathway.

Business Education

Quest for Success

Grade 9, 10

This course is an innovative career exploration course designed to prepare Louisiana graduates for career and life success.

Customer Service

Grades 10, 11, 12

This course is designed to help entry-level sales and service associates learn skills related to frontline work in retail (or any industry that values customer service and sales skills). Students will be prepared to sit for the National Retail Federation Business of Retail industry-based certification exam.

Principles of Business

Grades 11, 12

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Prerequisite: Completion of Customer Service

This course provides students with the skills necessary to succeed as a small business employee and/or owner. Students will learn the steps required to start a new business, participate in hands-on simulations, understand key financial concepts, and interact with industry professionals.

Internship

Grade 12

Student must submit Interest Form

Students and Parents must attend a mandatory meeting.

This two-hour credit course is designed to provide students with valuable on-the-job training and experience. Students will be required to attend a weekly intern meeting and complete weekly online assignments related to career readiness and preparation. Each student will be responsible for arranging his/her own transportation between the school and the work site. Students will receive new employee training and may be required to take part in health screenings or other requirements depending on the work site. It is recommended that students applying for internship be in a good academic standing, have no attendance or discipline issues, have good organization and time management skills, and be able to work independently with minimal instruction. Attendance at information meetings prior to the beginning of the internship semester are required for both students and parents.

Computer Technology

Introduction to Business Computer Applications I (IBCA)

Grades 9, 10, 11, 12

This course is designed to provide students with basic computer application skills. Topics include basic keyboarding functions and a concentrated focus on the application and use of Microsoft Word and PowerPoint and Google Docs and Slides.

Digital Media I

Grades: 10, 11, 12

This course allows students to express their creativity through the use of a variety of digital programs including Adobe Photoshop and Illustrator. Students will be prepared to sit for the Adobe Certified Associate industry-based certification exams in Photoshop and Illustrator.

Digital Media II

Grades: 11, 12

This course allows students to express their creativity through the use of a variety of digital programs using the Adobe platform. Students will be prepared to sit for the Adobe Certified Associate industry-based certification exam in InDesign.

Fundamentals of HTML, CSS, and Javascript (Level 1)

Grades 10, 11, 12

Recommended Prerequisite: IBCA

Students learn the fundamentals of Web programming in JavaScript, HTML and CSS through designing and competing website, animation and video game projects. Projects appear within a portfolio on the student's website project.

Advanced Javascript, Functional Programming, and Web Development (Level 2)

Grades: 11, 12

Prerequisite: Fundamentals of HTML, CSS, and Javascript and Level 1 certification

Continuing from Fundamentals of HTML, CSS and Javascript this course dives deeply into advanced programming concepts, including jQuery, functional programming, and higher order functions. Additional projects build out the student's website portfolio, including a study of widely used JavaScript functional programming libraries, basic data structures, and video games.

Nutrition and Food

Grades 10, 11, 12

This course explains the relationship between food and health and how nutrients and nutritious meals are important to healthy growth and development. Food safety is emphasized, and students are prepared for the ServSafe Food Handler industry-based certification.

ProStart I (DE) (NCC)

Grades 11, 12

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Prerequisite: Nutrition and Food and Advanced Nutrition and Food

This course is a national two-year program that prepares students for careers in the restaurant/food service industry. Topics covered include customer service, food and kitchen safety, foodservice equipment, nutrition, business mathematics, control of foodservice costs and career preparation and development. Advanced food preparation techniques will be taught and students will be prepared to sit for the National Restaurant Association ServSafe Food Manager and ProStart Level 1 industry-based certifications.

Foreign Language

American Sign Language I

Grades: 9, 10, 11, 12

ASL I is a course designed to introduce students to basic vocabulary, grammar, and cultural norms to develop everyday conversations in ASL. Students will learn vocabulary to talk about themselves, their families, everyday activities, familiar places and how to navigate the classroom and school. Students will also be exposed to the complex world of ASL numbers, time concepts and fingerspelling. During the course, students will be exposed to Deaf culture and the vibrant visual world of ASL storytelling. Students are expected to demonstrate both receptive and expressive sign language skills. Students must sign in class with peers as well as for graded expressive assessments. ASL is a language that uses facial expression, body language, and nonverbal communication. Students are expected to demonstrate these skills which may be uncomfortable for some.

American Sign Language II

Grades: 10, 11, 12

ASL II continues to build on the ASL skills introduced in ASL I and develops describing people, making requests and asking for advice, describing places, giving opinions, and making and discussing plans and goals. Students will continue to practice the ever-complex world of ASL numbers, time concepts and fingerspelling. Students will develop a deeper understanding of Deaf culture, translating sentences using conceptually accurate ASL equivalents, and the expressive three-dimensional world of ASL storytelling. Students are expected to demonstrate both receptive and expressive sign language skills. Students must sign in class with peers as well as for graded expressive assessments. ASL is a language that uses facial expression, body language, and nonverbal communication. Students are expected to demonstrate these skills which may be uncomfortable for some.

French I

Grades 9, 10, 11, 12

In the first semester, this introductory course will cover: the alphabet, numbers 1 - 1,000, basic sentence structure, basic conversations, conjugation of regular and some irregular verbs in present and simple future tenses. During the second semester, students will be introduced to the past tense. Speaking and listening skills are stressed throughout this course, but reading, writing, and translating are also important. Cultural awareness and projects and activities relating to French cultures are also included.

French II

Grades 10, 11, 12

The first part of this course will be an extensive review of all grammatical items studied in French I and conjugation of regular and irregular verbs. During the second part of French II, students will be expected to begin relating the rules and conjugations to the speaking and understanding of the French language. Reading, writing, and translating will also be emphasized. Cultural awareness and activities are also included.

Spanish I

Grades 9, 10, 11, 12

Students will learn to speak Spanish in a stimulating, interactive environment. Language has to be practiced, so speaking is an essential part of the learning process. To be able to communicate in the target language, the student will learn a variety of vocabulary, how to conjugate verbs in the present tense, simple rules of grammar that allows the student to also communicate by writing and listening, cultures of different Spanish speaking countries, food, music, people, geography, etc. while gaining a better understanding of the world in which we live. The textbook is available online so it is used in class for audio and video use.

Spanish II

Grades 10, 11, 12

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This course covers a review of the present tense of verbs, a study of the imperfect, and preterit of regular and irregular verbs, and all essential grammar skills. The present progressive with reflexive and non-reflexive verbs is also covered. The second semester includes vocabulary building and writing exercises, a study of the subjunctive mood, and conversational dialogues. Cultural awareness and audio-oral skills are emphasized throughout the year. Memorization of vocabulary and verb conjugation is required. Written and oral projects will be presented.

Spanish III

Grades 10, 11, 12

Spanish III will review grammar and verbs studied in Spanish I and II. All indicative and subjunctive moods will be introduced. All four skills will continue to be practiced. Spanish and Latin American literary works as well as current events will be read in both English and Spanish. Cultural awareness, and audio-oral skills will continue to be emphasized. The course emphasizes vocabulary building through conversation and reading, while reviewing and extending basic usage skills at an intermediate level. Vocabulary and verb conjugation is required.

Vocational

Automotive Technician

Grade 11, 12

Full Year Course

Student must submit Interest Form

This course offers specialized instruction and practical shop experience to prepare students with entry level skills in the servicing and maintaining of all types of automobiles. Students are prepared to sit for ASE Student Certifications in the following fields: Brake Systems, Electrical/Electronic Systems, and Suspension/Steering Systems. **Preferential seating will be given to students on the Tops Tech diploma pathway.**

HVAC – (NTCC) (DE)

(Course offered on NTCC Campus, transportation provided)

Grade 12

Full Year Course

Student must submit Interest Form

This suite of college courses provides specialized classroom instruction and practical shop experience to prepare individuals for employment as entry-level air conditioning and refrigeration technicians. **Preferential seating will be given to students on the Tops Tech diploma pathway.**

NCCER Welding– (NTCC) (DE)

(Course offered on NTCC Campus, transportation provided)

Grade 12

Full Year Course

Student must submit Interest Form

This course prepares students for careers as entry-level welders. Modules cover topics such as welding safety, oxyfuel cutting, plasma arc cutting, air carbon arc cutting, weld quality, base metal preparation and SMAW. Students in this course are prepared for certification in NCCER Core and Welding, Level 1. **Preferential seating will be given to students on the Tops Tech diploma pathway.**