

SOUTHWIND HIGH SCHOOL

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Course Description Catalog

Preparing Students for Leadership, Learning, and Life

**Shelby County Schools offer educational and employment opportunities
Without regard to race, color, national origin, religion, sex, or disability**

SOUTHWIND HIGH SCHOOL

MISSION STATEMENT

The mission of Southwind High School is to value, challenge, and educate students in a positive, safe environment while developing them into productive citizens in a diverse and changing society.

STATEMENTS OF BELIEF

All students can learn in a fair and equitable environment.

Positive relationships and mutual respect between students and staff build self-esteem.

Students are the focus of all educational opportunities and extra-curricular activities.

High expectations are critical to success.

Opportunities exist for staff members to collaborate and to develop and learn instructional strategies and assessments for student achievement and excellence.

The needs of all students are valued and met to insure that they mature physically, socially, emotionally, and intellectually.

A physically and emotionally safe and supportive environment is essential to the educational process.

Recognition of student and staff achievement promotes excellence.

Parents, community, and school staff support the mission statement and collaborate to insure its implementation.

GENERAL INFORMATION

INTRODUCTION

This catalog provides students and parents a general description of courses available at Southwind High School. Not every elective is offered every year. Availability is determined by need as students register in the spring semester for the following year's courses. Please keep this book throughout your student's high school years for reference regarding graduation requirements, curriculum offerings, and various policies. This directory may be downloaded from the SHS web page.

COURSE ADD/DROP POLICY

Course selection should be made with careful consideration. Students and parents should be familiar with requirements for graduation and requirements for college entrance. The following rules and deadlines shall apply regarding a student-initiated request to add or drop a sixth elective course. **Required courses cannot be dropped.** A request to drop an elective course does not constitute approval to drop that course. The Tennessee Board of Education regulations require that all students be enrolled in courses that will produce at least five (5) credits toward graduation each school year. Therefore, only an elective that is a sixth subject course can be **considered** for dropping or adding. No request to add a course will be considered after the 10th day of class for that course. If the student is enrolled in six classes, only an elective class may be dropped after students receive their first report card for that course.

GATEWAY TESTS AND END-OF-COURSE ASSESSMENT (ALGEBRA I, BIOLOGY I, AND ENGLISH 10)

Gateway tests are mandated by the Tennessee State Board of Education and are un-timed year-end tests, which students must pass as part of the requirement for earning a high school diploma. Students enrolled in Algebra I, Biology I, and English 10 must pass the Gateway tests in order to meet the graduation requirements from high school. The gateway tests also count as 15% of the students' second semester grade and the students' scores become part of their permanent record. Approved calculators are permitted for the Algebra I test.

Also mandated by the Tennessee State Board of Education are the End-of-Course tests in English 9, Math Foundations II, Physical Science, and U.S. History. Each test is approximately sixty minutes; approved calculators are permitted for math. The students' scores become part of the permanent record and count 15% of their second semester grade in the respective class. Please refer to the State Department web site, <http://www.tennessee.gov/education/>, for the latest information.

TCAP 11TH GRADE WRITING ASSESSMENT

The Tennessee State Board of Education mandates the 11th grade TCAP Writing Assessment to ensure that all students can communicate effectively in written form. This test identifies areas of strengths and weaknesses in student writing. The TCAP Writing Assessment is a performance-based test in which students are required to write an essay on a specified topic. Eleventh graders have 35 minutes to compose a persuasive essay. Results are returned to the school systems before the end of the school year. Each student receives a copy of his/her score along with a description of the six-point holistic grading scale. Individual student essays are not returned. This score counts 15 % of the student's second semester English grade.

ADVANCED PLACEMENT PROGRAM

The Advanced Placement Program consists of college-level courses and exams that give high school students the opportunity to receive college credit and enroll in a rigorous course of study. About 1,300 institutions, including some of the most selective colleges in this country, award a full year's credit to students with satisfactory scores on the AP exam. AP courses are introductory or second year college courses. These courses require more time and work, but they offer greater opportunity to master a subject and to explore it in greater depth. Some AP classes require summer assignments and/or projects. Students who enroll in an Advanced Placement course at Southwind High School are required to take the AP examination. The College Board fee for the AP Exam is approximately \$90.00 and will be determined by the latest information received from the College Board. This fee is non-refundable and must be submitted with the Application to Enroll in an AP Course in the spring semester during course selection.

HONORS DIPLOMA

All Shelby County High School students who successfully complete three honors credits, two honors and one AP credit, or two AP credits each year for four years are eligible to receive an HONORS DIPLOMA upon graduating from a Shelby County high school.

GRADUATION ASSESSMENT REQUIREMENTS

Students who graduate with a regular diploma from a public school in Tennessee must fulfill the following criteria:

- Pass all three Gateway Tests: English 10, Algebra I, and Biology I
- Earn the required number of credits (see Graduation Requirements)

Diplomas will not be issued to students who have not met these requirements. Special Education students may earn a regular diploma one of the following three ways: IEP team's recommendation, passing the three Gateway tests, or fulfilling the requirements of the IEP. All students (even those receiving a Special Education Diploma) must take the Gateway tests.

EVALUATION AND ASSESSMENT WEB SITE

<http://www.tennessee.gov/education/>

Information can be accessed on the Tennessee Department of Education's web page test link. Bookmark this page and refer to it since it contains links to the various state assessments, strategies, graduation requirements, and testing dates. Other topics of interest found at the State Department's web site links are listed below.

- 11th Grade Writing Assessment
- Gateway and End-of-Course Assessment Programs
- Graduation Requirements
- State, District, and School Report Cards
- Test Dates & Test Strategies
- Tennessee State Lottery Scholarships
- State Curriculum
- No Child Left Behind
- Special Education
- Vocational Technical Education

Visit the Shelby County School web site for additional information: www.scsk12.org.

GRADUATION REQUIREMENTS

Listed below are the Tennessee public high school minimum graduation requirements. Many private and out-of-state colleges and universities have entrance requirements, which may exceed these state requirements. **It is the responsibility of the parents and students to contact the college or university that they plan to attend to verify the minimum requirements for admission.**

UNIVERSITY PATH REQUIREMENTS

Course	Credits
English.....	4
Mathematics (Algebra I & II and Geometry).....	3
Science (must include Biology).....	3
United States History.....	1
World Geography or World History.....	1
Economics.....	1/2
United States Government.....	1/2
Wellness.....	1
Fine Arts.....	1
Foreign Language (same language).....	1
Electives.....	3
Total.....	20

TECHNICAL PATH REQUIREMENTS

Note: Students must declare the technical path prior to the end of their 9th grade year; failure to do so may result in graduating a year later in order to meet graduation requirements.

Course	Credits
English.....	4
Mathematics (Algebra I & II and Geometry).....	3
Science (must include Biology).....	3
United States History.....	1
World Geography or World History.....	1
Economics.....	1/2
United States Government.....	1/2
Wellness.....	1
Related Technical Area.....	4
Electives.....	2
Total.....	20

COMBINATION PATH REQUIREMENTS

Course	Credits
English.....	4
Mathematics (Algebra I & II and Geometry).....	3
Science (must include Biology).....	3
United States History.....	1
World Geography or World History.....	1
Economics.....	1/2
United States Government.....	1/2
Wellness.....	1
Fine Arts.....	1
Foreign Language (same language).....	1
Related Technical Areas.....	4
Total.....	21

FOUR-YEAR PLAN: PRACTICE FORM

9TH GRADE

English _____
 Math _____
 Science _____
 Wellness _____
 World Geography or World History/El _____
 *Elective _____
 Summer School _____
 Summer School _____

10TH GRADE

English _____
 Math _____
 Science _____
 World Geog. or World History/El _____
 *Elective _____
 *Elective _____
 Summer School _____
 Summer School _____

11 TH GRADE

English _____
 United States History _____
 Math _____
 Science _____
 *Elective _____
 *Elective _____
 Summer School _____
 Summer School _____

12TH GRADE

English _____
 Economics/U.S. Gov't _____
 *Elective _____
 *Elective _____
 *Elective _____
 *Elective _____
 Summer School _____
 Summer School _____

*Electives (El): Depending upon the chosen path (academic or technical), the elective blanks may be used for required courses (i.e. fine arts, foreign language, etc.). In planning, concentrate on the sequence of required classes (English, math, science, social studies). Please refer to the math and science courses sequences in this catalogue. **THE ADMINISTRATION OF SOUTHWIND HIGH SCHOOL HIGHLY RECOMMENDS THAT STUDENTS ENROLL IN A MATH AND SCIENCE EACH YEAR. THE FOUR-YEAR PROGRESSION OF ENGLISH, MATH, AND SCIENCE GREATLY INCREASES COLLEGE ENTRANCE TEST SCORES AND COLLEGE ADMISSSION.**

GRADE CLASSIFICATION FOR HIGH SCHOOL STUDENTS (SCS POLICY 6305)

Less than four (4) credits.....9 th Grade	9 credits & passed Eng. 10.....11 th Grade
4 credits & passed Eng. 9.....10 th Grade	14 credits & passed Eng. 11.....12 th Grade

MATHEMATICS DEPARTMENT

Note: Although only 3 credits/years of Math are required to graduate, students who graduate with 4 credits/years of Math do significantly better on College Entrance Exams and have better overall grades in college.

MATH SEQUENCES:

UNIVERSITY PATH

Geometry-Algebra II-Pre Calculus-*Statistics/Calculus or AP Statistics
Geometry-Algebra II-Pre Calculus-*Statistics/Calculus or AP Calculus
Geometry-Algebra II-Advanced Algebra & Trigonometry-*Statistics/Calculus or AP Statistics
Algebra I-Geometry-Algebra II-Pre Calculus
Algebra I-Geometry-Algebra II-Advanced Algebra & Trigonometry
Algebra I-Geometry-Algebra II-AP Statistics
Math Foundations II-Algebra II-Geometry-Algebra II

*Indicates one semester of Statistics and one semester of Calculus

Students progressing from a lower level Math to Algebra I with a 76 or below average will be sequenced to Integrated Math (MA155), an elective.

TECHNICAL PATH

Math Foundations I-Math Foundations II-Algebra I-Geometry

*3 units of math required through Geometry.

*For students entering 05-06 or later

SCIENCE DEPARTMENT

Note: Although only 3 credits/years of Science are required for graduation, students who graduate with 4 credits /years of Math do significantly better on College Entrance Exams and have better overall grades in college.

SCIENCE SEQUENCES:

UNIVERSITY PATH

9 TH	10 TH	11 TH	12 TH
Physical Science Physical Science	Biology Biology Honors	Chemistry Chemistry Honors	Physics AP Physics AP Biology Anatomy/Physiology
Biology I Honors	Chemistry Honors	Physics AP Biology Anatomy/Physiology AP Chemistry AP Physics	Physics Anatomy/Physiology AP Chemistry AP Physics Anatomy/Physiology

TECHNICAL PATH

Life Science	Biology	Physical Science	Nutrition Science Environmental Science Earth Science Ecology
Physical Science	Biology	Nutrition Science	Environmental Science Earth Science

TECHNICAL MAJORS

Students who enter a Tennessee high school may select the Technical Path to meet the graduation requirements. These requirements consist of the core curriculum plus four credits in one technical major.

Technical Major Areas:

- Marketing
- Business Education
- Business Technology
- Trade and Industry
- Family and Consumer Science
- Health Science

Please see Table of Contents to locate courses offered in each area.

NOTE: If a student's class schedule will not permit four credits in the same technical major, one credit in vocational-related courses (listed below) may count as one of the four required credits in the areas of marketing, business education/office technology, and family and consumer science.

Accounting I

American Legal Systems

Keyboarding*

Computer Literacy*

Computer Applications*

Principles of Business*

***Denotes Semester Classes**

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COURSE OFFERINGS

NOTE: Courses may be deleted due to budgetary constraints, lack of student interest, or unavailability of qualified teachers.

NOTE: All applications, teacher recommendations, etc. must be submitted at the time of registration (including pre-registration).

NOTE: See Bloom's Taxonomy for Honors and AP (Advanced Placement) levels. Summer reading is required for all Honors classes, and no one is exempt from this requirement. The fee (\$90.00 approximately) is due upon registration.

BUSINESS EDUCATION

ST3709 BUSINESS PRINCIPLES BE252 **GRADE 10**
Business Principles is designed to provide students with the basic understanding of the business and economic environment in which we assume our roles as consumer, worker, and citizen. Course content includes money and banking, budgeting, saving, credit, insurance, investment, transportation and communication facilities, and role of government and management.
PREREQUISITES: Keyboarding and Accounting I **CREDIT I**

ST3720 COMPUTER LITERACY BE262 **GRADES 9, 10**
Computer Literacy (formerly Personal Computing) is an introductory level computer literacy course that includes components and proper use of the computer, a variety of software, and the ethical aspects of computer technology. Hands-on experience with database, word processing, spreadsheet, and PowerPoint programs will be required. Telecommunication, Internet access, and Webpage design are introduced. A flash drive is required, also.
PREREQUISITE: Keyboarding **CREDIT 1/2**

ST3721 COMPUTER APPLICATIONS BE272 **GRADE 10**
Computer Applications is designed to develop computer technology skills. Students will use a variety of computer software and hardware tools and features of an electronic information network. Students will explore the historical, social, and ethical issues of using computer technology. The students will develop skills that will assist them with efficient production, accurate production analysis, management of information and design, and presentation of a multimedia project. Membership in Business Professional of America (a student organization) is required. A flash drive is required, also.
PREREQUISITES: Keyboarding/Document Formatting and/or concurrently with Keyboarding/Document Layout and Design **CREDIT 1/2**

ST3701A ACCOUNTING I BE351A **GRADE 10**
Accounting I is designed to introduce students to the basic principles of accounting. Content focuses on accounting methods for a sole proprietorship, a partnership, and a corporation.

Course work includes analyzing business transactions, recording in journals, posting to ledgers, and preparing worksheets and financial statements. Two business simulations (one involving a partnership and the other involving a corporation) are completed during the year.

PREREQUISITES: None

CREDIT 1

ST3701B ACCOUNTING I (HONORS) BE351B

GRADE 10

Accounting I (Honors) is designed to introduce students to the principles of accounting with more analytical methods and business simulations.

PREREQUISITES: Algebra I average of "90" or above

CREDIT 1

ST3713 FINANCIAL PLANNING BE322

GRADE 10

Financial Planning is a course designed to develop skills in the use of financial principles in making business decisions. Students will research job qualifications and employment opportunities in finance. The course includes a study of the allocation of financial resources, the effects of finance and credit institutions on the business community, and the impact of financial decisions on the consumer market. Ethical issues will be presented in this course.

PREREQUISITES: Algebra I

GRADE 10

ST3722 BASIC PROGRAMMING BE361

GRADE 10

Basic Programming is designed to develop object-oriented programming language skills using Beginners All-Purpose symbolic Instruction Code (BASIC). The student will utilize the commands, statements, and procedures of this language to write, run, debug, and edit computer programs. A flash drive is required, also.

PREREQUISITES: KEYBOARDING AND ALGEBRA I

CREDIT 1

BUSINESS TECHNOLOGY

ST3710A KEYBOARDING BT232

GRADES 9, 10

Keyboarding involves basic skills in operating a computerized keyboard by using the touch system and other input technologies to produce mailable business and academic documents. Each student will prepare business and academic reports, etc. Mailability standards relate to keying, formatting, grammar, punctuation, capitalization, spelling, content typography, and layout and design. Using special features of the software, the student will be able to format academic and business reports. Membership in Business Professionals of America (a student organization) is required. A flash disk is required, also.

PREREQUISITES: None

CREDIT 1/2

ST3775A KEYBOARDING/DOCUMENT FORMATTING BT152 GRADE 10

Keyboarding/Document Formatting (formerly Keyboarding Applications) is a continuation of the Keyboarding course. Each student will prepare business reports, academic reports, etc. The student will demonstrate a combination of input skills (advanced keyboarding, scanning, speech recognition, handwriting recognition, and the use of a mouse) in the production of mailable business documents. Industry production standards are emphasized. Formatting, typography, and layout and design concepts are applied in document preparation of business letters, forms, invoices, manuscripts, and tabulated/columnar information. Proofreading and editing skills are applied. Membership in Business Professionals of America (a student organization) is required. A flash drive is required, also.

PREREQUISITE: Keyboarding

CREDIT 1/2

ST3729A SPREADSHEET APPLICATIONS BT222

GRADE 10

Spreadsheet Applications involves the use of electronic worksheets to perform business calculations. This course will apply keying, typography, and layout and design skills needed to design worksheets, write formulas, analyze data, chart data, and manage data. Team development will also be stressed as students work on spreadsheet project (s). Membership in Business Professionals of America (a student organization) is required. A flash drive is required, also.

PREREQUISITE: Keyboarding or Computer Applications

CREDIT 1/2

ST3727A KEYBOARDING/DOCUMENT LAYOUT AND DESIGN BT 242

GRADE 10

Keyboarding/Document Layout and Design builds on the Keyboarding/Document Formatting course. The student will use a hands-on approach to develop proficiency in document creation and design. Emphasis is on production of business applications, which include design and layout and speed and accuracy. Concepts, capabilities, procedures, and legal responsibilities of word and information processing are applied. Simulated real projects from rough draft copy and/or transcription magnetic media are used for problem solving and business document preparation.

Membership in Business Professionals of America (a student organization) is required. **A flash drive is required, also.**

PREREQUISITE: Keyboarding/Document Formatting and/or concurrently with Keyboarding/Document Layout and Design with Computer Applications

CREDIT 1/2

ST3735A/3735B DATABASE DESIGN/MANAGEMENT BT452 GRADE 10

Database Design/Management is a course that analyzes and applies database design techniques and management method for organizing and maintaining files. The student will apply keying, typography, and layout and design skills in creating, designing, entering data, importing and exporting data, and printing database object and data. At the completion of the course, students will have database management skills enabling them to design and implement a relational database application. Student proficiency will lead to software certification. Membership in Business Professionals of America (a student organization) is required). **A flash drive is required, also.**

PREREQUISITES: Keyboarding/Document Formatting and/or concurrently with Keyboarding/Document Layout and Design

CREDIT 1/2-1

ST3741A DESKTOP PUBLISHING BT272 GRADE 10

Desktop Publishing will apply keying, formatting, typography, and layout and design skills in developing electronic publishing documents. The student will develop skills in electronic publishing design, layout, composition, and photo journalism. Content provides the opportunity to acquire marketable skills and to prepare for gainful employment and or entry into postsecondary education in the graphic communications industry. Laboratory facilities and experiences simulate those found in the graphic communications industry. Membership in Business Professionals of America (a student organization) is required. **A flash drive is required, also.**

PREREQUISITES: Keyboarding/Document Formatting, Computer Applications, Keyboarding/Document Layout and Design

CREDIT 1

ENGLISH DEPARTMENT

ST3001 ENGLISH NINE (REGULAR) EN151

GRADE 9

English Nine (Regular) is for students who are working at grade level. Emphasis is placed on mastering basic grammar skills and using these grammar skills in writing and speaking. Analysis of novels and various other genres, vocabulary building, grammar and research skills are integral parts of this course.

PREREQUISITES: None

CREDIT 1

ST3075A ENGLISH AS A SECOND LANGUAGE (ESL) EN171 GRADES 9, 10

English as a Second language (ESL) is designed and conducted to help meet the communicative needs of daily living. The areas of instruction include reading, listening, thinking, and oral and written communication. Instruction focuses on the development of skills in the area of grammar, literature, spelling, handwriting, creative writing, listening, and thinking. Correlation of Language Arts with other subject areas is also integral to this class.

PREREQUISITE: Students who have limited English proficiency and students (of parents that have permanently relocated to the United States) who would benefit academically from the class

CREDIT 1

ST3001B ENGLISH NINE (HONORS) EN181

GRADE 9

English Nine (Honors) is for students who have maintained a “94” average in 8th grade English classes. Emphasis is placed on literature, writing, and vocabulary. Analysis of novels, group work, and presentation of research material are included. Less “in-class” grammar and more individual work is done. Recommendation of eighth grade teacher is required in order to enroll in this class. Additionally, these students are expected to present an advanced score on the 8th grade TCAP in reading and language. Summer reading is required. Guidance and English Nine instructor are available to assist with any questions.

PREREQUISITES: Student application, teacher recommendation, and “94” average in 8th grade English

CREDIT 1

ST3002A ENGLISH TEN (REGULAR) EN251

GRADE 10

English Ten (Regular) is for students who function on grade level in writing skills, basic grammar usage, and reading. World literature is taught. In addition, students are given a concentrated course in composition, research writing, usage, spelling, and mechanics. In order to graduate with a regular diploma, students must also pass a Gateway exam (worth 15 points of final grade) at the end of this course.

PREREQUISITE: English Nine

CREDIT 1

ST3002B ENGLISH TEN (HONORS) EN281

GRADE 10

English Ten (Honors) is designed to meet the needs of students who have mastered writing and grammar skills at grade level and above. Great emphasis is placed on vocabulary development, composition, and interpretation of world literature. Students will learn to write a documented research paper.

Outside reading is required.

Note: The student must be recommended by the previous English teacher and have at least a “90” average in Honors English Nine or an “A” in English Nine (Regular). Summer reading is required. Guidance and English Ten instructor are available to assist with questions. Students must pass a Gateway Exam at the end of this course in order to graduate with a regular diploma.

PREREQUISITES: English nine, application of student, and teacher recommendation **CREDIT 1**

ENGLISH ELECTIVE COURSES

ST3081 READING IN THE CONTENT AREA EN211

GRADE 9

Reading in the Content Area is a class for students who score non-proficient on the 8th Grade Reading test in the spring. Students will receive an elective for this course. The course focuses on basic reading skills (comprehension and analysis). Gateway reading skills are a focus. Students will be automatically enrolled in this course once the proficiency lists are received at the high school from the middle schools (after the spring test date).

PREREQUISITE: Non-proficient on the 8th grade TCAP Reading Test **CREDIT 1**

ST3008A JOURNALISM- YEARBOOK PRODUCTION I EN231

GRADE 10

Yearbook production produces the school’s award winning yearbook. Students write copy, create page layouts, use desktop publishing, meet deadlines, and handle responsibility. Sale and design of a minimum of \$400 worth of ads are required. Homework assignments must be completed on a compatible computer using the publishing company’s desktop publishing software. Students are required to stay after school with and without prior notice.

PREREQUISITES: Application (signed by the student and parents), two faculty recommendations, “B” overall average in English, satisfactory conduct, satisfactory attendance, basic computer knowledge, and strong writing skills

ST3008E JOURNALISM-NEWSPAPER PRODUCTION 1 EN241 GRADE 10

This class is a full-year course with producing the school newspaper as the major responsibility. Students in this class will be responsible for researching and writing the stories, doing page layout on computer using Desktop Publishing software, taking and editing photographs, and selling and designing ads for the paper. Strong writing skills are needed plus the ability to meet deadlines and handle responsibility.

PREREQUISITES: Application, writing sample, a “B” average in English, satisfactory conduct grades, satisfactory attendance, strong writing skills, and recommendation of current English teacher CREDIT 1

ST9480 GATEWAY ENGLISH EN200 GRADE 10

Gateway English is a semester class that prepares students for the Gateway Exam. These students may have taken English 10 but did not pass the Gateway Exam.

PREREQUISITES: Not receiving a passing score on the Gateway English Exam CREDIT 1/2

ST3099 ETYMOLOGY EN262 GRADE 10

Etymology is designed to instruct students to recognize Latin and Greek word elements, thereby making the knowledge of them an effective tool for increasing vocabulary. The student is expected to be able to analyze words fully and to define them. Students will also become familiar with general patterns of semantic change and will gain some insight into patterns of human thought by studying word changes that reflect something of the history of ideas. Medical terminology is included among the topics. An average of 86 in English is recommended.

PREREQUISITES: None CREDIT 1/2

ST3012 CREATIVE WRITING EN2723 GRADE 10

Creative Writing is an elective course for students who want to improve their experience and skills in writing. It is an experiential writing course designed to enhance creative thinking, reflection, and dialogue through several genres of writing. Students planning to enroll in this course certainly should have mastered basic grammar skills. A finished short story and a poetry portfolio are required at the completion of this course. Students who enroll are expected to meet deadlines.

PREREQUISITES: Strong interest in writing-fiction or nonfiction poetry, strong experience in reading contemporary American Poetry and fiction, and at least a “B” average in English CREDIT 1

**FAMILY AND CONSUMER SCIENCES
CULINARY ARTS**

ST5656 CULINARY ARTS I HE241 GRADE 10

Culinary Arts I is the first level of Culinary Arts, and it prepares students for gainful employment and /or entry into post-secondary education in the food production and service industry. Content provides students the opportunity to acquire marketable skills by examining both the industry and its career opportunities and by developing food preparation and service and interpersonal skills. Laboratory facilities and experiences, which simulate commercial food production and service operations, offer school-based learning opportunities.

PREREQUISITE: Foundations of Hospitality Industry CREDIT I

FAMILY AND CONSUMER SCIENCES

ST5601 FAMILY AND CONSUMER SCIENCE HE151 GRADES 9, 10

Family and Consumer Science is designed to give students an introduction to home economics and the ways it can help them improve and manage their lives in the areas of personality development, communications skills, foods and nutrition, family living, child development, housing and home management, consumer education, and clothing and textiles. Projects and activities help young men and women develop good work habits that will be necessary in any field of employment. Home economics related careers are surveyed.

PREREQUISITES: None CREDIT 1

ST5608A/5608B INTERPERSONAL COMMUNICATIONS I AND II HE212 GRADE 10

Interpersonal Communications focuses on communication skills in the areas of family life and the community, dating and marriage, and career choices and the workplace. Emphasis is on establishing and maintaining healthy interpersonal relationships. This course can be used as a credit towards a concentration in any Career and Technical area.

PREREQUISITES: None CREDIT 1/2-1

ST5601A/5601B CHILD DEVELOPMENT I AND II HE222 GRADES 9, 10

Child Development prepares students for a better understanding of children's physical, mental, social and emotional growth and development. It provides opportunities for students to gain the knowledge and skills they will need as parents and/or when working in careers with children.

PREREQUISITES: None CREDIT 1/2-1

ST5609A/5609B NUTRITION AND FOOD I AND II HE231 GRADE 10

Nutrition and Food prepares students to understand the principles of nutrition; the relationship of nutrition to health and wellbeing, and to the selection, preparation and care of food; meal management to meet individual and family food needs and patterns of living; proper table etiquette and service; and optimal use of the food dollar.

PREREQUISITES: None

CREDIT 1/2-1

ST5612A/5612B TEXTILES AND APPAREL I AND II HE272 GRADE 10

Textiles and Apparel offers preparation for individuals in the understanding of the social, psychological, and physiological aspects of textiles and apparel. The selection, construction, and maintenance of clothing textile products will be emphasized.

PREREQUISITES: None

CREDIT 1/2-1

ST5607A/5607B HOUSING AND INTERIOR DESIGN I AND II HE 282 GRADE 10

Housing and Interior Design prepares students to evaluate the factors that influence their housing choices-including aesthetics, costs, and functions of furnishing and equipment. Personal decision-making is practiced as students select, design, and decorate their own "Dream Home" project.

PREREQUISITES: None

CREDIT 1/2-1

FINE ARTS DEPARTMENT

VISUAL ARTS

ST3501 ART I (INTRODUCTION TO ART) FV111

GRADES 9, 10

Art I (Introduction to Art) is a full-credit elective designed to help students understand the visual qualities of the world around them, to encourage awareness, and to develop skills in various areas including drawing, color fundamentals, and design principles. Students work with pencil, charcoal, pastel, and watercolor. Students must purchase their own supplies.

PREREQUISITES: None

CREDIT 1

ST3502 ART II (INTERMEDIATE ART) FV211

GRADE 10

Art II (Intermediate Art) is a full-credit course that provides in-depth development of skills with emphasis on the student's personal approach. Art history is integral to all art courses. Traditional and contemporary styles are explored to develop individual expression. Areas explored may include drawing, painting, sculpture, silkscreen, and printing. Students must purchase their own supplies.

PREREQUISITES: None

CREDIT 1

INSTRUMENTAL MUSIC

ST3530E BRASS 9TH FB151

GRADE 9

ST3530E BRASS 10TH FB161

GRADE 10

Brass is designed to advance the student toward an accepted level of proficiency on his/her instrument through the use of fundamental exercises. Some after school and weekend hours are required, and students sometimes spend more than one year at this level.

PREREQUISITE: Teacher Recommendation

CREDIT 1

ST3530D PERCUSSION 9TH FB251

GRADE 9

ST3530D PERCUSSION 10TH FB261

GRADE 10

Percussion is designed to advance the student toward an accepted level of proficiency on his/her instrument through the use of fundamental exercises. Some after school and weekend hours are required, and students sometimes spend more than one year at this level.

PREREQUISITE: Teacher Recommendation

CREDIT 1

ST3530F WOODWINDS 9TH FB211 GRADE 9
ST3530F WOODWINDS 10TH FB221 GRADE 10

Woodwinds is designed to advance the student toward an accepted level of proficiency on his/her instrument through the use of fundamental exercises. Some after school and weekend hours are required, and students sometimes spend more than one year at this level.

PREREQUISITE: Teacher Recommendation CREDIT 1

ST3530B VARSITY BAND 9TH FB191 GRADE 9
ST3530B VARSITY BAND 10TH FB291 GRADE 10

Varsity Band includes both marching and concert performance. The band performs at football games, parades, marching competitions, and other activities through the year. Music theory, history, and composition are included in the Varsity Band curriculum. Members of All-West, All-State, and Jazz ensembles are selected from the Varsity membership. Solo and ensemble festivals, concert festivals, and spring trips are also part of the Varsity Band experience. After school and weekend hours are required for all phases of Varsity Band performance.

PREREQUISITES: Middle School Band, Junior High Band, Intermediate Band/or Audition ONLY CREDIT 1

ST3530A VARSITY COLOR GUARD 9TH FB111 GRADE 9
ST3530A VARSITY COLOR GUARD 10TH FB211 GRADE 10

Varsity Color Guard functions as a visual ensemble part of the Marching Band program during the fall semester. Students learn marching skills, rhythm patterns, beginning music theory, and dance fundamentals. Flags, rifles, and other equipment are used to accent the musical portion of the fall marching show. The Varsity Color Guard performs at football games, parades, and marching competitions. After school hours, weekend hours, and summer hours are required for participation. Color guard, by itself, does not meet the Fine Arts graduation requirement.

PREREQUISITE: Audition ONLY CREDIT 1

VOCAL MUSIC

ST3531G Chorus 9th (MIXED) FC112 GRADE 9
ST3531G Chorus 10th (MIXED) FC212 GRADE 10

Chorus is designed to introduce young singers (with varying degrees of musical background) to the choral experience. Vocal development, basic theory, sight-reading, and introduction to music history are taught. This course enables the student to decide if he/she wishes to continue choral music. Students are required to perform in concerts and required to purchase the appropriate uniform for these performances. After-school practices are decided according to need.

PREREQUISITES: None CREDIT 1

ST3531U CONCERT CHOIR FC141 GRADE 9
ST3531V CONCERT CHOIR FC151 GRADE 10

Concert Choir provides a continuation of musical growth while offering a “large-group” experience to the student. The repertoire is selected from a variety of representative composers of each historical period. Traditional and contemporary composers are utilized. Students are required to perform in concerts and to sing at community events throughout the Mid-South area. They are also required to purchase the appropriate uniform for these performances. After-school practices are decided according to need.

PREREQUISITES: Audition required and teacher recommendation CREDIT 1

ST3531CC SHOW/JAZZ CHOIR FC161 GRADE 9
ST3531DD SHOW/JAZZ CHOIR FC261 GRADE 10

This is an advanced level course designed for students with strong vocal technique and strong knowledge of music fundamentals. Course content may include advanced vocal techniques, jazz theory, improvisation, and choreography. Occasional performances, after school rehearsals, and competitions may be required as scheduled. A choral fee and the purchase of performance attire are required for this class and are payable at the beginning of the year. Current membership in another choir may be required.

PREREQUISITE: Audition ONLY CREDIT 1

THEATER AND COMMUNICATION ARTS

ST3520 INTRODUCTION TO COMMUNICATION STUDIES FT111 GRADES 9, 10

Introduction to Communication Studies introduces the student to basic public speaking techniques, discussion, debates, communication theory, parliamentary procedure, oral interpretation, and dramatic performance concepts. Both formal and casual speech-making assignments are part of the course of study. Reading and critical thinking skills are also emphasized. After-school and weekend hours devoted to the Southwind High School’s Fine Arts Department are required.

PREREQUISITES: None CREDIT 1

ST3520B INTRODUCTION TO COMMUNICATION STUDIES (HONORS) FT121
GRADES 9,10

Introduction to Communication Studies (Honors) is an accelerated communication arts program, which incorporates speech analysis, rhetorical theory, and advanced critical thinking skills into the existing communication arts program. Semester projects and speech tournament participation will be required to further the student’s communication skills. After-school and weekend hours devoted to the Southwind High School’s Fine Arts Department are required.

PREREQUISITE: Recommendation of English Teacher CREDIT 1

ST3522A INTRODUCTION TO FILM AND VIDEO FT141 GRADES 9, 10

Introduction to Film and Video examines the areas of film and T.V. production from historical, theoretical, and practical applications. The study of film (as literature) and film evaluations is emphasized. Students receive hands-on instruction with film and video equipment. Note: Some supplies must be purchased. Written and oral critiques are required for each unit of film study. Co-curricular and after-school activities are a required part of evaluation.

PREREQUISITE: Recommendation of English Teacher CREDIT I

ST3521A INTRODUCTION TO THE THEATRE FT211 GRADES 9, 10

Introduction to the theater offers the student a broad overview of the theatre world, with particular attention paid to theatre production, theatre history, technical theatre, theatre evaluation, and comparative media. This course also includes introductory approaches to improvisational acting techniques, acting styles, methodology, and scene study. As part of the course of study, students are required to critique all live theatrical performances at SHS. After-school and weekend hours devoted to the Southwind High School's fine Arts Department are required. This is not an acting class.

PREREQUISITES: None CREDIT I

ST3521B ACTING-THEATRE ARTS V FT221 GRADE 10

Acting is designed for the performance-oriented student. It examines practical and theoretical approaches to performance (including improvisational acting, acting styles, acting methodology, movement, voice, and scene study). Playwriting and elementary directing techniques are included in this course of study. Serious attention is given to theatre aesthetics and theatre evaluation. Students are required to critique live theatrical presentations in the Memphis area. After-school and weekend hours devoted to the Southwind High School Fine Arts Department are required.

PREQUISITES: Introduction to theatre or permission of instructor CREDIT 1

ST3520C FORENSICS/DEBATE FT341 GRADE 10

Forensics is an advanced, in-depth study of public speaking and oral interpretation. The class is performance oriented, and students travel to speech and debate tournaments. Some out-of-town tournaments are required of all students. Students are required to prepare speeches and performances for public presentation.

PREREQUISITE: Introduction to Communication Studies CREDIT 1

FOREIGN LANGUAGE DEPARTMENT

FRENCH

ST3041A FRENCH I (REGULAR) FL131 GRADES 9, 10

French I (Regular) meets the needs of students who wish to complete the minimal two years of a foreign language to satisfy college entrance requirements. Course content includes vocabulary, conversation, grammar, and oral comprehension in the French language. Participation in a National Foreign language Exam may be required.

PREREQUISITE: “90” average in 8th grade English for 9th graders CREDIT 1

ST3041B FRENCH I (HONORS) FL138 GRADES 9, 10

French I (Honors) serves the needs of students with an above average aptitude in language acquisition. This course develops the skills of listening, speaking, reading, and writing in French. The culture and geography of France are also components of study.

Note: It is required that students wishing to enroll in French I (Honors) have an “A” average in their present language arts and the recommendation from their language arts teacher. Participation in a National Foreign Language Exam may be required.

PREREQUISITES:

9th graders: A “94” average in 8th grade English, concurrently enrolled in 9th grade English (Honors), and a teacher recommendation

10th graders: A “94” in English (Honors) and teacher recommendation CREDIT 1

ST3042A FRENCH II (REGULAR) FL231 GRADE 10

French II (Regular) is a continuation of French I and meets the needs of students who wish to satisfy the two-year foreign language entrance requirements of colleges. Note: It is recommended that the student have earned at least a “B” average in French I before enrolling in this course. Participation in a National Foreign Language Exam may be required.

PREREQUISITE: French I CREDIT 1

ST3042B FRENCH II (HONORS) FL238 GRADE 10

French II (Honors) is designed as a continuation of French I (Honors). Note: It is strongly recommended that students have at least a “B” average in French I (Honors). Participation in a National Foreign Language Exam may be required.

PREREQUISITE: French I (Honors) CREDIT 1

GERMAN

ST3051A GERMAN I (REGULAR) FL141 GRADES 9, 10
German I is an introduction to the basic skills of speaking, reading, writing, and listening. Students become familiar with the sound system for accurate pronunciation. Basic vocabulary and grammar are studied, as well as German culture and geography. **Note:** It is recommended that the student have an “A” or “B” average in English before enrolling in this course. Participation in a National Foreign Language Exam may be required.
PREREQUISITES: 9th graders need a “90” average in 8th grade English and teacher recommendation CREDIT 1

ST3051B German I (HONORS) FL148 GRADES 9, 10
German I (Honors) is an introduction to the basic skills of speaking, reading, and writing German. Students are expected to complete an individual project each nine weeks on the German culture. Participation in a National Foreign Language Exam may be required.
PREREQUISITES:
9th graders: A “94” in 8th grade English, enrolled in 9th grade English (Honors), and a teacher recommendation
10th graders: A “94” average in English (Honors) and teacher recommendation CREDIT 1

ST3052A GERMAN II (REGULAR) FL241 GRADE 10
German II (Regular) continues the reading and speaking skills with emphasis on grammar. Conversational skills are expanded in situations such as shopping, going to a restaurant, and giving directions. Basic writing skills are developed. The history of Germany is studied. **Note:** It is recommended that students enrolling in this course have at least a “B” average in German I. Participation in a National Foreign Language Exam may be required.
PREREQUISITE: German I CREDIT 1

ST3052B GERMAN II (HONORS) FL248 GRADE 10
German II (Honors) is designed as a continuation of German I (Honors). It is strongly recommended that students have at least a “90” average in German I (Honors). Participation in a National Foreign Language Exam may be required.
PREREQUISITES: German I (Honors) and teacher recommendation CREDIT 1

LATIN

ST3031A LATIN I (REGULAR) FL111 GRADES 9, 10

Latin I emphasizes the language, history, and culture of the ancient Romans. Latin I stresses grammar, vocabulary, mythology, and culture. The study of Latin benefits the student in areas of English vocabulary and grammar. **Note:** It is recommended that the student have at least a “B” average in English before enrolling in this course. Participation in a National Foreign Language Exam may be required.

PREREQUISITES: 9th graders need a “90” average in 8th grade English and teacher recommendation CREDIT 1

ST3031B LATIN I (HONORS) FL118 GRADES 9, 10

Latin I (Honors) is designed to emphasize the language, history, and culture of the ancient Romans. Students are expected to complete an individual project each nine weeks in the areas of Roman civilization, etymology, history, and mythology. Participation in a National Foreign Language Exam may be required.

PREREQUISITES:

9th graders: need a “94” average in 8th grade English, concurrently enrolled in 9th grade English (Honors), and teacher recommendation

10th graders: A “94” average in English (Honors) and teacher recommendation

CREDIT 1

ST3032A LATIN II (REGULAR) FL211 GRADES 9, 10

Latin II (Regular) is designed as a continuation of the Latin I course. Note: a “B” average in Latin I is recommended before enrolling in this course. Participation in a National Foreign Language Exam may be required.

PREREQUISITE: LATIN I

CREDIT 1

ST3032B LATIN II (HONORS) FL218 GRADES 9, 10

Latin II (Honors) is designed as a continuation of Latin I (Honors). It is strongly recommended that students have a “90” average in Latin I (Honors). Participation in a National Foreign Language Exam may be required.

PREREQUISITE: LATIN I (HONORS)

CREDIT 1

SPANISH

ST3021A SPANISH I (REGULAR) FL151

GRADES 9, 10

Spanish I (Regular) is designed for students who wish to complete only two years of a foreign language in order to meet college entrance requirements. Participation in a National Foreign Language Exam may be required.

PREREQUISITES: “90” average in 9th grade English for ninth graders and teacher recommendation

CREDIT 1

ST3021B SPANISH I (HONORS) FL158

GRADES 9, 10

Spanish I (Honors) is designed for students who are linguistically talented. Grammatical structures and vocabulary are taught in a context which emphasizes communication skills in listening, speaking, reading, and writing Spanish. Native speakers with no formal training in Spanish should be placed in the course. Participation in a National Foreign language Exam may be required.

PREREQUISITES:

9th graders: A “94” average in 8th grade English, concurrently enrolled in English Nine (Honors), and teacher recommendation

10th graders: A “94” average in English (honors) and teacher recommendation

CREDIT 1

ST30322A SPANISH II (REGULAR) FL251

GRADES 9, 10

Spanish II (Regular) is a continuation of Spanish I and is designed to meet the needs of those students who wish to meet the two-year foreign language entrance requirement of colleges. Participation in a National Foreign Language Exam may be required.

PREREQUISITES: At least an “86” average in Spanish I is strongly recommended

CREDIT 1

ST3022B SPANISH II (HONORS) FL258

GRADES 9, 10

Spanish II (Honors) is a continuation of Spanish I (Honors). Participation in a National Foreign Language Exam may be required.

PREREQUISITES: A “90” average in Spanish I (honors) and teacher recommendation or a “98” average in Spanish I (Regular) and teacher recommendation

CREDIT 1

HEALTH SCIENCES

ST5504 HEALTH SCIENCE EDUCATION HS151 GRADES 9, 10

Health Science Education is an introduction to broad standards that serve as a foundation for students interested in occupations in health care. Academic units included are health care career clusters, medical terminology, safety practices, communication systems, legal responsibilities, medical ethics, patient diversity, HOSA, FIRST AID, CPR, and basic clinical skills.

PREREQUISITE: Biology or currently enrolled

CREDIT 1

ST55061 MEDICAL THERAPEUTICS HS241 GRADE 10

Medical Therapeutics emphasizes the application of medical terminology, basic anatomy and physiology, infection control and safety procedures, communication skills, teamwork, patient history and physical exam, legal/ethical responsibilities, and CPR. This course provides knowledge and skills to maintain or change the health status of an individual over time. Students explore in detail the therapeutic areas of medicine, nursing, dietetics, pharmacy, dentistry, respiratory therapy, physical/occupational therapy, and others.

PREREQUISITES: Health Science Education and teacher recommendation CREDIT 1

MARKETING DEPARTMENT

ST5000 MARKETING I (MARKETING & MANAGEMENT I-PRINCIPLES) ME351

GRADE 10

Marketing I provides studies which focus on the functions of marketing and business activities. Units of study include job search skills, economics principles, advertising, selling, and distribution. All students are required to join DECA, a vocational organization for Marketing students. DECA is a co-curricular activity offering student opportunities to develop leadership skills. Members are eligible to participate in conferences and competitive events at the local, state, and national level. This class satisfies the economic requirement and is designed for Technical Path students.

PREREQUISITES: None

CREDIT 1

ST4023A/5023B SPORTS & ENTERTAINMENT MARKETING ME241 GRADES 9, 10

Sports and entertainment marketing is designed for students to develop skills in the areas of facility design, merchandising, advertising, public relations/publicity, event marketing, sponsoring, ticket distribution, and career opportunities as they relate to the sports and entertainment industry.

PREREQUISITE: None

CREDIT 1/2-1

ST5015 HOSPITALITY MANAGEMENT INDUSTRY ME361

GRADE 9

This course covers the various components of the hospitality management industry. Subject matter will include technical and operational skills and interpersonal skills.

PREREQUISITES: None

CREDIT 1

MATHEMATICS DEPARTMENT

Note: Although only 3 credits/years of Math are required to graduate, students who graduate with 4 credits/years of Math do significantly better on College Entrance Exams and have better overall grades in college.

MATH SEQUENCES:

UNIVERSITY PATH

Geometry-Algebra II-Pre Calculus-*Statistics/Calculus or AP Statistics
Geometry-Algebra II-Pre Calculus-*Statistics/Calculus or AP Calculus
Geometry-Algebra II-Advanced Algebra & Trigonometry-*Statistics/Calculus or AP Statistics
Algebra I-Geometry-Algebra II-Pre Calculus
Algebra I-Geometry-Algebra II-Advanced Algebra & Trigonometry
Algebra I-Geometry-Algebra II-AP Statistics
Math Foundations II-Algebra II-Geometry-Algebra II

*Indicates one semester of Statistics and one semester of Calculus

Students progressing from a lower level Math to Algebra I with a 76 or below average will be sequenced to Integrated Math (MA155), an elective.

TECHNICAL PATH

Math Foundations I-Math Foundations II-Algebra I-Geometry

*3 units of math required through Geometry.

*For students entering 05-06 or later

ST3130 MATH FOUNDATIONS I MA121 GRADE 9

Math Foundations I is designed for students needing a basic mathematics background. Use of calculators and hands on materials are integral to the course. This course is for technical path students only.

PREREQUISITE: Technical Path CREDIT 1

ST3131 MATH FOUNDATIONS II MA141 GRADE 9, 10

Math Foundations II contains both pre-algebra and pre-geometry. It is designed for students who need another year of mathematics in order to adequately prepare for Algebra I. Use of calculators and hands-on materials are integral to the course. There is an end-of-course test in Foundations II.

PREREQUISITES: None CREDIT 1

ST3102A ALGEBRA I (REGULAR) MA151

GRADES 9, 10

Algebra I (Regular) is an introduction to the fundamental concepts of operations involving numbers and variables including polynomials, exponents, radicals, and linear and quadratic equations. Students enrolled in this class must pass an end-of-course Gateway test (worth 15% of final grade) in order to graduate with a regular diploma.

PREREQUISITES: Approved by 8th grade math teacher and recommended for students with at least an average of 86-93 in 8th grade math **CREDIT 1**

ST3132 INTEGRATED MATH I MA155

GRADES 9, 10

Integrated Math I is a math elective course designed to provide a bridge for the next math level, improve students' skill, and promote success in math. The co-requisite math course is Algebra I. Integrated Math I does not count toward the minimum math credits for graduation but will count as an elective toward graduation. This course is required for any students earning a 76 or lower average in a previous math course.

PREREQUISITE: 76 or lower in a previous math class **CREDIT 1**

ST3180 GATEWAY ALGEBRA I MA156

GRADES 9, 10

Gateway Algebra I is designed for the students who have not passed the Gateway Algebra I exam. The class provides remediation and practice of the Gateway Algebra I objectives. Students who do not pass the Gateway exam the year they take Algebra I will automatically be enrolled in the Gateway Algebra I class the next semester per state mandate.

PREREQUISITE: Not achieving a passing score on Algebra I Gateway Exam **CREDIT 1**

ST3102B ALGEBRA I (HONORS) MA181

GRADES 9, 10

Algebra I (Honors) is designed for 9th grade students with an excellent, enriched, or accelerated 8th grade math background and with a desire for a more challenging approach to Algebra I. More emphasis will be placed on understanding and using the different sets of real numbers; on developing the concepts of functions; on establishing connections between graphs, equations, and numerical patterns; and on solving a greater variety of problems.

PREREQUISITES: Application of student, recommendation of current math teacher, and an average of at least a "94" in 8th grade math **CREDIT 1**

ST3108A UNIFIED GEOMETRY (REGULAR) MA231 GRADES 9, 10

Unified Geometry stresses both the basis structure of geometry and proficiency in developing proofs. It is a study of plain and solid Euclidean geometry-including points, lines, planes, angles, geometric figures, and coordinate geometry. Students on the University or Combination path progressing from Algebra I with a “76” or below average will be sequenced to Algebra II and then to Geometry.

PREREQUISITE: Algebra I CREDIT 1

ST3108B UNIFIED GEOMETRY (HONORS) MA238 GRADES 9, 10

Unified Geometry (Honors) is designed for the advanced math student. Students taking this course should have strong critical thinking and analytical skills. Problem solving and synthesizing of material are areas where students will be challenged.

PREREQUISITES: Application of student, recommendation of current math teacher, and a “94” in Algebra I or a “90” in Algebra I (Honors) CREDIT 1

ST3103A ALGEBRA II (REGULAR) MA251 GRADE 10

Algebra II (Regular) is a rigorous course that reviews Algebra I and covers units in linear programming, functions, conic sections, systems of equations and inequalities, matrices, progressions and series, logarithms, trigonometric functions, elementary identities, combinations, permutations, probability, and elementary statistics.

PREREQUISITE: Algebra I CREDIT 1

ST3103B ALGEBRA II (HONORS) MA258 GRADE 10

Algebra II (Honors) is designed for students who have mastered both Algebra I and Geometry skills and desire a more challenging approach to Algebra II. Typically, these students will be planning to take AP Calculus. More emphasis will be placed on using graphing calculators (TI).

PREREQUISITES: Application of student, recommendation of current math teacher, and at least a “94” average in both Algebra I and Geometry or a “90” in Algebra I (honors) and Geometry (Honors) CREDIT 1

ST3124 ADVANCED ALGEBRA AND TRIGONOMETRY MA541 GRADE 10

Advanced Algebra and Trigonometry requires a prerequisite of Algebra II and focuses on pulling together previous math courses with an emphasis on analyzing functions (including trigonometric functions). Use of graphing calculators will be integral to the course. A student cannot receive math credit for Pre-Calculus Honors and Advanced and Trigonometry (must choose one or the other).

PREREQUISITES: A minimum of Algebra II, “C” average in previous math class, and teacher recommendation CREDIT 1

ST3126A PRE-CALCULUS MA351**GRADE 10**

Pre-Calculus reviews Algebra II and continues with units in trigonometry, polar coordinates, exponential and logarithmic functions, conics, probability, and statistics. Students who elect this course before 12th grade must plan to take AP Calculus the following year. A student cannot receive math credit for Pre-Calculus and Advanced Algebra Trigonometry (must choose one or the other).

PREREQUISITES: Algebra I, Algebra II, and Geometry, “B” average in previous math class, and teacher recommendation

CREDIT 1

SCIENCE DEPARTMENT

Note: Although only 3 credits/years of Science are required for graduation, students who graduate with 4 credits /years of Math do significantly better on College Entrance Exams and have better overall grades in college.

SCIENCE SEQUENCES:

UNIVERSITY PATH

9 TH	10 TH	11 TH	12 TH
Physical Science Physical Science	Biology Biology Honors	Chemistry Chemistry Honors	Physics AP Physics AP Biology Anatomy/Physiology
Biology I Honors	Chemistry Honors	Physics AP Biology Anatomy/Physiology AP Chemistry AP Physics	Physics Anatomy/Physiology AP Chemistry AP Physics Anatomy/Physiology

TECHNICAL PATH

Life Science	Biology	Physical Science	Nutrition Science Environmental Science Earth Science Ecology
Physical Science	Biology	Nutrition Science	Environmental Science Earth Science

ST3208 LIFE SCIENCE SC131

GRADE 9

Life Science presents concepts of environmental sciences, man's relationship with the environment, and the human body and its functions.

PREREQUISITES: None

CREDIT 1

ST3202 PHYSICAL SCIENCE SC151

GRADES 9, 10

Physical Science is a basic science course covering the basic concepts of Chemistry and Physics. This course involves the study of the relationships between matter and energy with emphasis on general and practical applications. There is an end-of-course exam in Physical Science.

PREREQUISITES: Concurrently enrolled in Algebra I or higher Math and a "B" in 8th grade science

CREDIT 1

ST3210 BIOLOGY (REGULAR) SC241 GRADES 9, 10

Biology (Regular) is the study of life and includes the use of lectures, science projects, and laboratory activities in the study of the cell, genetics, bacteria, plants and animals, and ecology. Students must pass an end-of-course Gateway test (worth 15% of final grade) in order to graduate with a regular diploma.

PREREQUISITES: Concurrently enrolled in Algebra I or higher math and “B” in 8th grade science if you are a 9th grader CREDIT 1

ST3280 GATEWAY BIOLOGY I SC246 GRADE 9, 10

Gateway Biology I is designed for the students who do not pass the Gateway Biology exam at the end of their Biology I year. The course provides remediation and practice of Gateway Biology I objectives. Per state mandate, students will automatically be placed in this class if they do not pass the Gateway Biology I exam.

PREREQUISITES: Not receiving a passing score on the Gateway Biology Exam CREDIT 1

ST3210 BIOLOGY (HONORS) SC248 GRADES 9, 10

Biology I (HONORS) is designed for the advanced science student. Students taking this course should have strong critical thinking and analytical skills. Problem solving and synthesizing of material (with appropriate laboratory experiences) are areas where students will be challenged. This course consists of classroom and appropriate laboratory experiences in several areas where students will be challenged. Topics covered include cytology (structure and function of plant and animal cells), microbiology, genetics, invertebrate and vertebrate zoology, multi-cellular plant structure and function, and ecology. Students must pass an end-of-course Gateway exam (worth 15% of their final grade) in order to graduate with a regular diploma.

PREREQUISITES: Student application, recommendation of current math or science teacher, at least a “94” average in math and science courses the previous year, and concurrently enrolled in Geometry or higher math CREDIT 1

ST3221A CHEMISTRY (REGULAR) SC351 GRADE 10

Chemistry (Regular) is designed for students who will attend college as non-science majors but will be required to take additional courses. The concepts and principles of an introductory high school Chemistry course are developed through laboratory exercises, lectures, demonstrations, and science projects. Chemistry (Regular) involves the application of mathematical concepts and requires commitment to homework and study assignments. It is strongly recommended that the student have at least a “C” average in all previous math and science classes.

PREREQUISITES: Algebra I and Biology or Physical Science and concurrently enrolled in or completed Geometry CREDIT 1

ST3221B CHEMISTRY (HONORS) SC358**GRADE 10**

Chemistry (Honors) is designed for advanced science students who plan to major in the science, mathematics, medicine, and engineering in college. The following basic principles are developed: the nature of matter, atomic theory, the mole concept, organic chemistry, and physical inorganic chemical concepts. These concepts and principles are developed through laboratory exercises, class discussions, lectures, demonstrations, and science projects. **Note:** A completed Recommendation Form must be submitted with the Course Selection Form. Chemistry (Honors) involves the application of mathematical concepts and requires commitment to assignments and study.

PREREQUISITES: At least a “90” average in Biology or Physical Science, “90” average in Geometry and Algebra I or Algebra II concurrently, math and science teachers’ recommendations, and student application

CREDIT 1**ST3251 HUMAN ANATOMY AND PHYSIOLOGY SC381****GRADE 10**

Human Anatomy and Physiology is a study of the structure and function of the various systems of the human body. Emphasis will be on the major systems and how they coordinate activities to maintain a healthy body.

PREREQUISITES: Biology and Chemistry

CREDIT 1

SOCIAL STUDIES DEPARTMENT

ST3410A WORLD GEOGRAPHY (REGULAR) SS131 GRADES 9, 10
World Geography is designed to be a world awareness course focusing on the impact of geography on the history of countries, economics, culture, government, and contemporary affairs. The course is designed as a trip around the world-utilizing newspapers, guest speakers, projects, and a base text. Students should expect significant reading and note-taking.
PREREQUISITES: None CREDIT 1

ST3410B WORLD GEOGRAPHY (HONORS) SS138 GRADES 9, 10
World Geography (Honors) follows the standard/regular World Geography curriculum but places a greater emphasis on reading and critical thinking skills.
PREREQUISITES: Concurrently enrolled in English (Honors) and recommendation of current English teacher CREDIT 1

ST3401A WORLD HISTORY (REGULAR) SS251 GRADES 9, 10
World History (Regular) begins with the study of prehistoric time and continues through to the present. The course develops an understanding of culture and politics and an awareness of the ideas and trends, which have shaped modern thought. Students study comparative law and religion, as well as major historical figures and events. Students utilize a basic text, view films, hear guest speakers, and are involved in individual and group projects.
PREREQUISITES: None CREDIT 1

ST3401B WORLD HISTORY (HONORS) SS258 GRADES 9, 10
World History (Honors) follows the standard/regular World History curriculum-placing greater emphasis on critical analysis, research, and writing.
PREREQUISITES: Concurrently enrolled in English (Honors) and recommendation of current English teacher CREDIT 1

ST3450 ADVANCED PLACEMENT HUMAN GEOGRAPHY SS239 GRADE 10
Advanced Placement Human Geography is designed for qualified students who wish to complete studies in secondary school equivalent to an introductory college course in human geography. The focus is upon the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students will employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences, and they learn about the methods and tools geographers use in their science and practice. A final qualifying examination is required, and the fee for this examination must be paid by all students enrolled in the course at the beginning of the school year. Receiving a certain score on the Advanced Placement exam may earn the student college credit.
PREREQUISITES: "90" minimum average in English (Honors), recommendation by the English (Honors) teacher, and a Signed Memo of Understanding CREDIT 1

TRADE AND INDUSTRY

ST5701A/5701B CAREER MANAGEMENT SUCCESS I and II TI102 GRADES 9, 10

This course is a core course for career clusters. The course provides students with tools for achieving success in their academic, work, and personal lives. Course content emphasizes the basic skills and knowledge needed for employment success, as identified by industry and supported by relevant national standards. All course content is presented in a real-world context, providing concrete opportunities for developing personal and career goals, effective communication skills, teamwork abilities, and successful work attitudes. Leisure Craft, Carpentry, and Manufacturing/Welding students entering 9th grade in 20002-03 and after must have this class to complete the core.

PREREQUISITES: None CREDIT 1/2 -1

ST5730 CONSTRUCTION CORE TI221 GRADES 9,10

This course will introduce students to basic skills and knowledge applicable to all construction trades. Topics covered include safety, construction drawings, site layout, hand and power tools, linear and angular measurements, and application of algebraic and geometric principles to construction problems.

PREREQUISITES: Career Management suggested (This Prerequisite can be taken concurrently with Construction Core.) CREDIT 1

ST5731 CARPENTRY I TI225 GRADE 10

This course will introduce students to basic skills and knowledge related to residential and commercial carpentry. Topics covered include wood, metal, and concrete building materials; fasteners; hand and power tools; fabrication based on construction plans; and framing of platform and post-and-beam structures in both wood and metal. The course gives students an introduction to the skill and knowledge base typically required for apprentice carpenters.

PREREQUISITES: Career Management Success Suggested, Construction Core, Concurrent Course-Algebra I CREDITS 2

ST5702A/5702B TRANSPORTATION CORE I and II TI232 GRADES 9, 10

This course prepares students for entry into all subsequent transportation courses. Student explore career opportunities and requirements of a professional service technician. Content emphasizes beginning transportation service skills and workplace success skills. Students study safety, tools, equipment shop operations, and basic technician skills.

PREREQUISITES: None CREDIT 1/2-1

ST5760 GRAPHIC COMMUNICATIONS TI241**GRADE 10**

This course is the first in a series that prepares students for gainful employment and/or entry into post-secondary education in the graphics communications (printing and design) industry. Content provides the opportunity to acquire marketable skills by examining both the industry and its career opportunities and by developing leadership, teamwork, and industry skills. Laboratory facilities and experiences simulate those found in the graphics communications industry.

PREREQUISITES: None**CREDIT 1****ST5705 LEISURE CRAFT/SMALL ENGINE TECHNOLOGY: SYSTEMS TI256****GRADE 10**

This course prepares students for entry-level positions or advancement in the Leisure Craft career paths. The course of study focuses on motorcycles, watercraft, all-terrain vehicles (ATV), jet skis, outboard motor boats, and garden vehicles. Content provides students the opportunity to acquire skills relating to safety, shop operations, and basic technician skills in brake systems, suspension systems, steering systems, tilt and trim systems, and transmission systems relating to leisure craft. Students will perform inspections, tests, and measurements for diagnosis and perform needed repairs. Education and experience simulate the leisure craft service industry operations through the use of training aids and modules and offer school-based and work-based learning opportunities.

PREREQUISITES: Career Management Success and Transportation Core**CREDIT 1****ST5340 COSMETOLOGY/BARBERING (PRINCIPLES OF) TI261****GRADE 10**

This course is designed to teach the following skills: arranging, dressing, curling, waving, cutting, bleaching, or coloring the hair of any person; the use of cosmetic preparations; and manicuring. Students receive actual cosmetology/barbering hours based on their attendance and grades. All hours earned are transferable to a post secondary cosmetology/barber school for completion and licensure. Students are required to purchase a cosmetology/barber kit-approximate cost \$150.00. The purchase of workbooks (at a cost of approximate \$40.00) is encouraged.

This course is also the first level of cosmetology/barbering and prepares students with work-related skills for advancement into the Design Principles of Cosmetology/Barbering course (for grades 11 and 12). Content provides students the opportunity to acquire basic fundamental skills in both theory and practical applications of leadership and interpersonal skill development. Content stresses safety, environmental issues, and protection of the public and designers as integrated with principles of hair design, nail structure, and cosmetic procedures. Laboratory facilities and experiences simulate those found in the cosmetology/barber industry.

PREREQUISITES: None**CREDIT 1**

ST5784 PRINCIPLES OF ENGINEERING TI471

GRADE 10

Principles of Engineering is a course in which students explore the nature of engineering and the skills fundamental to all engineering fields, as well as the role of quality assurance and quality control procedures in manufacturing. Emphasis is placed on actual projects and presentations and the use of modern tools (e.g., CAD). The course can be enhanced by cooperation with local manufacturing facilities, which can provide real measurement data and opportunities for on-site visits to witness engineering tasks and projects and quality-control data collection.

PREREQUISITE: Algebra I or Geometry

CREDIT 1

ST5330 CRIMINAL JUSTICE I CJ251

GRADE 10

Criminal Justice I is the first level of study of Criminal Justice careers and prepares students for work-related knowledge and skills for advancement into the second level of Criminal Justice careers. Course content focuses on areas comprised of planning, managing, and providing judicial, legal, and protective services. The course is an overview of the legal justice system and builds a better understanding of the development of laws on state, federal, and international levels. New technology and career opportunities in criminal justice are an integral part of the course content. Based on the content of the course, the student will test for certification in Cardio Pulmonary Resuscitation (CPR).

PREREQUISITES: Biology or currently enrolled

CREDIT 1

WELLNESS DEPARTMENT

ST3303 WELLNESS WE121

GRADE 9

Wellness is the required physical education course for the two-path curriculum (University and Technical) and was implemented during the 1994-95 school year. It is a new approach to the past physical education and health curricula with emphasis on lifetime fitness and positive lifestyle management.

PREREQUISITES: None

CREDIT 1

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