Fort Mill Schools
Program of Studies 2023-2024

Fort Mill Schools
Dr. James N. Epps, Superintendent
2233 Deerfield Drive
Fort Mill, SC 29715
(803) 548-2527

OUR VISION

Because children are the future, we use our ingenuity and imagination to challenge and inspire our students to exceed their expectations, achieve their greatest dreams and create a better community. That is why we place

Children First…Every Day!

OUR PURPOSE

In the tradition of excellence, Fort Mill Schools places *Children First…Every Day* by providing an innovative and rigorous education that empowers all students to achieve their greatest success.

WE BELIEVE…

- We believe children are our priority.
- We believe an innovative, rigorous, and engaging education provides the foundation for success in the lives and careers of our students.
- We believe high expectations, integrity and perseverance promote excellence.
- We believe recognizing achievement and celebrating success builds a culture of excellence.
- We believe everyone has worth and value and should be treated with respect and dignity.
- We believe meaningful, transparent communication and dialogue foster community trust and support.
- We believe dynamic leadership, collaboration, and continuous improvement enable our schools to be globally competitive.
- We believe the student, the family, the school, and the community share a commitment and a responsibility for student development.
- We believe children should be provided with the resources and facilities to achieve their greatest success.
- We believe the school community should be a safe, healthy, and supportive environment.

Catawba Ridge High School

Mr. Darren Wilson, Principal
1180 Fort Mill Parkway
Fort Mill, SC 29715
Phone: (803) 835-5222
http://crhs.fortmillschools.org/

Fort Mill High School

Mr. Zach Beam, Principal
215 N. Highway 21 Bypass
Fort Mill, SC 29715
Phone: (803) 548-1900
Fax: (803) 548-1911
http://fmhs.fortmillschools.org/

Nation Ford High School

Mr. Chris Chandler, Principal
1400 A. O. Jones Boulevard
Fort Mill, SC 29715
Phone: (803) 835-0000
Fax: (803) 835-0010
http://nfhs.fortmillschools.org/

Table of Contents

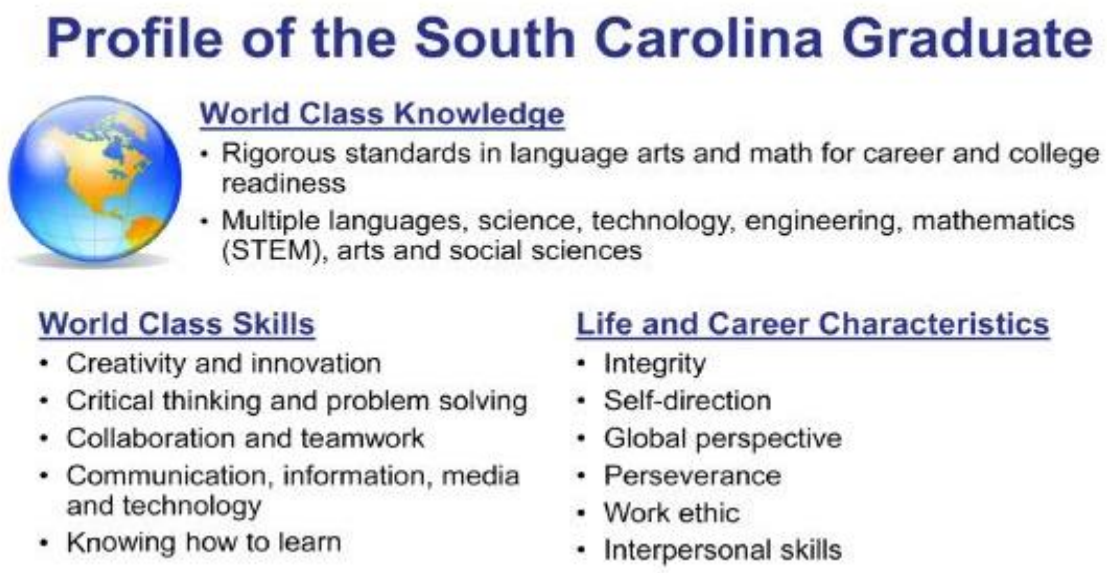
Academic Planning and Information

Appendix

NOTE: Any future changes made by the South Carolina Department of Education or the FMSD will be revised in the online edition of this guide. The Program of Studies may be found under the "Parents" link on the district website at www.fortmillschools.org.

Academic Planning and Information

The state's vision is to ensure that every student meets the 21st Century Profile of the Graduate, so each student is ready for the military, the workforce, a community college, or university.



Individual Graduation Plan (IGP)

The Education and Economic Development Act (EEDA) was written and passed by the South Carolina legislature to create the context and infrastructure needed by schools to implement changes from kindergarten through postsecondary education. Specifically, the legislation requires high schools to: 1) Revise the secondary curriculum around organized ***clusters*** with major areas of academic focus consisting of electives that relate to preparation of post-secondary plans. 2) Develop an **Individual Graduation Plan (IGP)** that lists the academic courses required for both graduation and entry into post-secondary education, courses related to the student's selected major, and includes extended learning activities such as internships and job shadowing

The purpose of the **Individual Graduation Plan (IGP)** is to assist students and their parents in exploring educational and professional possibilities and in making appropriate secondary and postsecondary decisions. The IGP is based on the course work, assessments, and counseling in middle and high school. An IGP consists of the state high school graduation requirements and/or college entrance requirements. In addition, course recommendations for successful completion of a major that aligns to postsecondary education and the workplace are included. School counselors begin working with students regarding interests, academies, majors, postsecondary choices, and high school options through individual and group counseling in the sixth grade. This includes information on academic and professional goals, career activities, and access to career resources. Teacher and parental involvement throughout this process is critical. In the spring of **eighth** grade, students choose one of the four academies of study to explore. This takes place during an individual planning conference with a school counselor, the student, and his or her parent(s). Students are not required to complete a major.

During the Individual Graduation Plan conference with parents, students and counselors, students may select course requests for classes for the upcoming school year.

Requirements for High School Graduation

PROMOTION STANDARDS

FRESHMAN:	Successful completion of 8th grade	
SOPHOMORES:	1 English, 1 Math, and 4 others	Total 6 Units
JUNIORS:	2 English, 2 Math, 1 Science, and 7 others	Total 12 Units
SENIORS:	3 English, 3 Math, 2 Science, and 8 others	Total 16 Units

Note: For participation in extracurricular activities such as Spirit Week, Prom, Senior Superlatives, Class Officers, exam exemptions, etc., class membership is based solely upon HOMEROOM ASSIGNMENT, which is determined only at the beginning of the school year in August. Grade levels will not be changed mid-year unless the student is considered a Jr./Sr.

GRADUATION REQUIREMENTS

Subjects	**Required Units**
English	4 units
Math	4 units
Science	2 units
Biology	1 unit
US History & Constitution	1 unit
Government	.5 unit
Economics and Personal Finance	.5 unit
Other Social Studies Unit	1 unit
Physical Ed or JROTC 1 or Marching Band/PE Option	1 unit
Computer Science	1 unit
Career Tech. or Foreign Language	1 unit
High School 101** or JROTC 2	1 unit
Electives	6 units
Total Units	24 Units

**Students who enroll in FMSD after their freshman year will be required to complete a half credit of Health rather than High School 101. This may be done at school in a virtual setting. School counselors will provide more information during course selection.

++Beginning with the graduating class of 2027, students must also earn a .5 unit in Personal Finance. More information will be shared with families as the state makes it available.

DIPLOMA SEALS OF DISTINCTION

The State of South Carolina has created multiple pathways to earn a diploma Seal of Distinction. The criteria for these seals can be found on page 13.

College Preparatory Course Prerequisite Requirements
For Entering College Freshmen Beginning in Academic Year 2019-2020

As published by the SC Commission on Higher Education

1) **FOUR UNITS OF ENGLISH:** All four units must have strong reading (including works of fiction and non-fiction), writing, communicating and researching components. It is strongly recommended that students take two units that are literature based, including American, British, and World Literature.
2) **FOUR UNITS OF MATHEMATICS:** These units must include Algebra 1, Algebra 2, and Geometry. A fourth higher-level mathematics unit should be taken before or during the senior year.
3) **THREE UNITS OF LABORATORY SCIENCE:** Two units must be taken in two different fields of the physical, earth, or life sciences and selected from among biology, chemistry, physics, or earth science. The third unit may be from the same field as one of the first two units (biology, chemistry, physics, or earth science) or from any laboratory science for which biology, chemistry, physics, and/or earth science is a prerequisite. Courses in general or introductory science for which one of these four units is not a prerequisite will not meet this requirement. It is strongly recommended that students desiring to pursue careers in science, mathematics, engineering, or technology take one course in all four fields (biology, chemistry, physics, or earth science.)
4) **TWO UNITS OF THE SAME WORLD LANGUAGE:** Two units with a heavy emphasis on language acquisition.
5) **THREE UNITS OF SOCIAL SCIENCE:** One unit of U.S. History, a half unit of Economics, and a half unit of Government are required. World History or Geography is strongly recommended
6) **ONE UNIT OF FINE ARTS:** One unit in appreciation of, history of, or performance in one of the fine arts. The unit should be selected from among media/digital arts, dance, music, theater, or visual and spatial arts.
7) **ONE UNIT OF PHYSICAL EDUCATION OR JROTC:** One unit of physical education to include one semester of personal fitness and another semester in lifetime fitness. Exemption applies to student enrolled in Junior ROTC and for students exempted because of physical disability or for religious reasons.
8) **TWO UNITS OF ELECTIVES:** Two units must be taken as an electives. A college preparatory course in Computer Science (i.e., one involving significant programming content, not simply keyboarding or using applications) is strongly recommended for this elective. Other acceptable electives include college preparatory courses in English; fine arts; foreign languages; social science; humanities; mathematics; physical education; and laboratory science (courses for which biology, chemistry, physics, or earth science is a prerequisite).

NOTES:

1. Foundations in Algebra and Intermediate Algebra may count together as a substitute for Algebra 1 if a student successfully completes Algebra 2. No other courses may be substituted for the three required mathematics courses (Algebra 1, Algebra 2, and Geometry).
2. Each institution may make exceptions in admitting students who do not meet all of the prerequisites, limited to those individual cases in which the failure to meet one or more prerequisites is due to circumstances beyond the reasonable control of the students.
3. The College Preparatory Course Prerequisite Requirements are minimal requirements for four-year public college admission. Therefore, students should check early with colleges of their choice to plan to meet additional high school prerequisites that might be required for admission and to prepare for college entrance examinations.
4. Students should prepare themselves for college-level work by enrolling in challenging high school courses, such as honors, Advanced Placement (AP), International Baccalaureate (IB), and dual enrollment courses.
5. It is the responsibility of each school district to disseminate this set of requirements to entering freshmen students interested in pursuing a four-year college degree in South Carolina upon graduation from high school and to provide the web address for their viewing: http://www.che.sc.gov/Students,FamiliesMilitary/LearningAboutCollege/CollegeAwareness,PreparationAccess.aspx
6. This revision of the College Preparatory Course Prerequisite Requirements shall be fully implemented for students entering high schools beginning Fall 2015 and colleges and universities as freshmen beginning in Fall 2019. In the interim period, the 2011-12 version of the Prerequisites (approved by the commission on Higher Education on October 5, 2006) remains acceptable.
7. The next revision cycle should begin in Fall 2020.

Academic Information

Course Selection and Schedule Changes

A. The courses students select will be the basis for the employment of teachers and the development of the master schedule for the upcoming school year. **Accordingly, when students and parents sign the course selection sheet, they are considered to have contracted to participate in all requested courses or chosen alternates.**

B. All courses described in this book may not be offered every year. Courses are scheduled based on student requests, class size, and scheduling feasibility.

C. Be sure to list alternates for all elective courses. Otherwise, if the electives chosen are not available, courses will be scheduled at the discretion of the counselor or principal.

D. Schedule changes will be limited. Any student wishing to make a revision in his/her schedule must do so within the summer conflict resolution. A summer schedule change will be considered:

1. If a student wishes to attempt to balance the academic load. (These requests will be considered on a space available basis only.)

2. If a student wishes to sequence courses due to special circumstances. (These requests will be considered on a space available basis only.)

3. If a student received a course for which they did not request during the IGP process. (When a student selects an alternate, the student has "requested" for that course.)

4. If a student passed a course which they assumed they would fail.

5. If a student failed a course required for graduation.

6. If a student failed a course, requested the course again and was assigned to the same instructor. (Where possible and on a space available basis.)

E. According to South Carolina state law, students who withdraw from a course after 5 days in a 90-day course or 3 days in a 45-day course will be assigned a WF and the F will be calculated as a 50 in the student's GPA.

Retaking a Course

Students in grades nine through twelve may retake a course at the same level of difficulty if they have earned a D or an F in that course. Retaking the course means that the student completes the entire course again (not a subset of the course such as through credit or content recovery). If the course being retaken has an End-of-Course exam, the EOC must be retaken. The student's transcript will reflect both course instances. Only one course attempt and the highest grade earned for the course will be calculated in the GPA.

A student who has taken a course for a unit of high school credit prior to their ninth-grade year may retake that course regardless of the grade they earned. A student who retakes a high school credit course from middle school must complete it before the beginning of the second year of high school. A student in grades nine through twelve, must retake a course by the end of the next school year or before the next sequential course (whichever comes first). In such a case, only the highest grade will be used in figuring the student's GPA. The student may not retake the course if the course being replaced has been used as a prerequisite for enrollment in a subsequent course; i.e., a student may not retake Algebra I after having earned credit for a higher-level mathematics course (Geometry, Algebra II).

It is the student's responsibility to contact their counselor should they fail a course required for graduation and need to retake the following semester. No changes will be made at the beginning of spring term except for reasons 3-6 noted above.

Sequencing Courses

A. Only one grade level of English and math may be taken per school year. With the principal's permission, two courses may be taken in one year under the following conditions: 1) To allow a student who failed an English and/or math course to catch up with his class. 2) To allow a student who plans to take advanced level English and/or math to accelerate as designed in their IGP. This will be done on a space available basis.

B. A student may not request for courses in sequence such as French I fall term and French II spring term. Exceptions may occur at the principal's discretion.

Note: If you meet all the prerequisites, you may request any course as long as it does not matter which semester you take it.

Course Prerequisites and Recommendations

A. **Prerequisites:** Some courses must be passed in a logical sequence; therefore, students must adhere to the designated prerequisites.

B. **Recommendations/Overrides:** Recommendations for the next course in a sequence may be made by the recommending teacher or based on past course in the sequence. A parent and student who wish to discuss the recommendation for reconsideration should request a conference with the assistant principal for curriculum, the counselor, and the recommending teacher. An override form may be signed by the parent following the conference. Once the override is signed, the student is committed to the course and cannot withdraw. This override option may not be used to enter a gifted and talented/honors class where selection is based on a state formula.

Course Load

A. Rising freshmen, sophomores and juniors must register for eight courses.
B. Rising seniors must register for a minimum of six courses at their home high school.
C. Seniors may enroll in up to one free period each semester during their senior year.
D. All students are expected to take a non-elective English course and a math course each year.

Academic Information

Attendance

Attendance is critical to success in high school. One 90-minute class is equal to two classes on a 6-7 period schedule. By state law, a student must attend 85 out of 90 class days in order to be considered for credit. Students are required to continue attending classes even if credit has been denied. If a student fails a course due to excessive absences, an FA will be recorded on his or her transcript. The grade of FA will carry no Carnegie units but will be calculated as a 50 in the student's GPA. **Remember, only 5 unexcused absences are allowed in a 90-day course and only 3 unexcused absences are allowed in a 45-day course.**

Attendance Recovery

A. Students may be granted the opportunity to recover credit for a course that they would have passed if not due to missing too many unexcused days.
B. Up to three days can be recovered.
C. Tuition will be charged per make up class due at the time of make-up.

End-of-Course Tests

Algebra 1, Intermediate Algebra, English 2, Biology 1, and U.S. History classes will have End-of-Course tests. Dates are mandated by the state and students cannot be excused from the testing. Current state law mandates that these tests count 20% of the final grade. Some of the career and technology courses also have a state end of course examination requirement. All students enrolled in courses with end-of-course tests must take the exams regardless of senior class status.

Assessments

All 10th graders will take the PSAT in the fall.

Students in 11th grade will have the option to take the SAT or the ACT in the spring. These tests will be administered on a school day, on the high school campus, with test fees paid by the state. ACT or SAT scores may be submitted to colleges of the student's choice.

All 11th graders will be required to take a Career Readiness Assessment in the spring.

Gifted and Talented

At the high school level, state identified gifted and talented classes include English 2 Honors and English 3 Honors. In addition to the state identified GT classes, students are encouraged to take honors and Advanced Placement courses. Students do not have to meet the state criteria to be eligible to take AP courses. See individual AP course descriptions for prerequisite information.

Academic Information

Credit Recovery

The purpose of Credit Recovery is to assist high school students who fail a core class but receive a grade of 55 or higher to receive credit for promotion and graduation requirements. There will be a non-refundable fee to participate in Credit Recovery. The procedures for placement are as follows:

1. Students may petition for Credit Recovery if they failed a core class with a grade of 55 to 59.
2. Students who petition for Credit Recovery must complete the petition form and have approval from all of the following: *Subject Area Teacher, Counselor, and Parent.*
3. Students may take one Credit Recovery course per semester (additional courses by special permission).
4. Students approved for Credit Recovery must complete their prescribed modules in PLATO/ Edmentum and/or teacher prescription.
5. Each module or unit must be completed with a minimum of 80% accuracy.
6. Students can earn a grade of "P" for passing upon successful completion of credit recovery. This will be added to the transcript and will not impact the GPA. The original failing grade and course will still appear on the transcript and will be factored into the GPA.

Distance, Online, and Virtual Education

Fort Mill Schools allow students in grades ten through twelve to earn a maximum of six units of academic credit to be applied toward graduation requirements by completing technology-delivered courses offered through programs approved by the school board. Students applying for permission to take these courses must do the following:

1. Complete prerequisites and provide teacher/counselor recommendations to confirm that they possess the maturity level needed to function effectively in a distance, online, or virtual learning environment.
2. Obtain the approval of the principal or their designee before enrolling in a technology-delivered course.
3. Adhere to the district code of conduct to include rules of behavior, consequences for violations, and signed student agreements.
4. Adhere to attendance requirements of the district.

Virtual SC

A. The SC Department of Education offers internet courses at no cost to assist students in completing their individual graduation plan. Guidelines are determined by the state and FMSD Board Policy.

B. Once the Virtual SC course is started, the final grade will appear on the transcript whether the student completes the course or not.

High School Virtual Labs

All high schools have virtual labs where students may take a course not offered by the Fort Mill Schools or a course that is not available due to scheduling conflicts. Courses offered by Virtual SC and by PLATO/Edmentum are the only programs recognized by Fort Mill Schools. These expectations also apply to virtual coursework taken during the summer.

Senior Information

Valedictorian/Salutatorian/Honor Graduates

1. The valedictorian will be recognized based on having the highest cumulative GPA as it appears on the official high school transcript, calculated using the state uniform grading policy prescribed by state law.
2. The salutatorian will be recognized based on having the second highest cumulative GPA as it appears on the high school transcript, calculated using the state uniform grading policy prescribed by state law. ***See Appendix for SC Uniform Grading Policy Conversion Chart.***
3. Valedictorians and salutatorians must attend a high school in the Fort Mill School District the two semesters immediately prior to graduation their senior year.
4. In the event of a tie, where more than one student has the same GPA, co-valedictorians and/or co-salutatorians will be named.
5. Only valedictorians and salutatorians will make graduation speeches. Other parts of the ceremony will be determined by the administration.
6. All honor graduates will be determined during the spring semester of the senior year.
7. All honor graduates must attend four calendar years of high school.
8. In addition to the valedictorian and salutatorian, honor graduates will be recognized at graduation. Honor graduates must have a 4.5 or higher cumulative GPA as it appears on the high school transcript as calculated using the state uniform grading policy prescribed by state law.
9. For honor graduate determination, grades of transfer students will be accepted if credits are awarded from an accredited school.

Rigorous Senior Year

As college admission and job opportunities become more competitive, it is necessary to continue a high level of academic rigor. The FMSD encourages all students to take challenging courses during their senior year. **All seniors are expected to take a non-elective English, math, science and social studies course during the 12th grade year.** Some colleges and universities will deny admission to students who have not completed an English and a math during their senior year. A waiver will be required for a senior who is not taking an English or math course. In addition to the electives on campus, seniors may also elect to take courses at institutions of higher learning with a waiver from the principal. Students may not take courses that are comparable to high school course offerings. High school credit will not be awarded unless an articulation agreement is already in place. *Tuition is the responsibility of the student.*

LIFE/Palmetto Fellows Eligibility

LIFE and Palmetto Fellows eligibility is outlined on page 90. As required by the South Carolina Commission on Higher Education, GPA and ranking for the Palmetto Fellows scholarship will be calculated at the end of the sophomore, junior, and senior year following the posting of year end grades to the official transcript. This process will occur at the end of second semester each year and prior to June 15 (the official capture date for the Commission on Higher Education). Students with questions about eligibility should consult with the Counseling Office.

Early Graduation

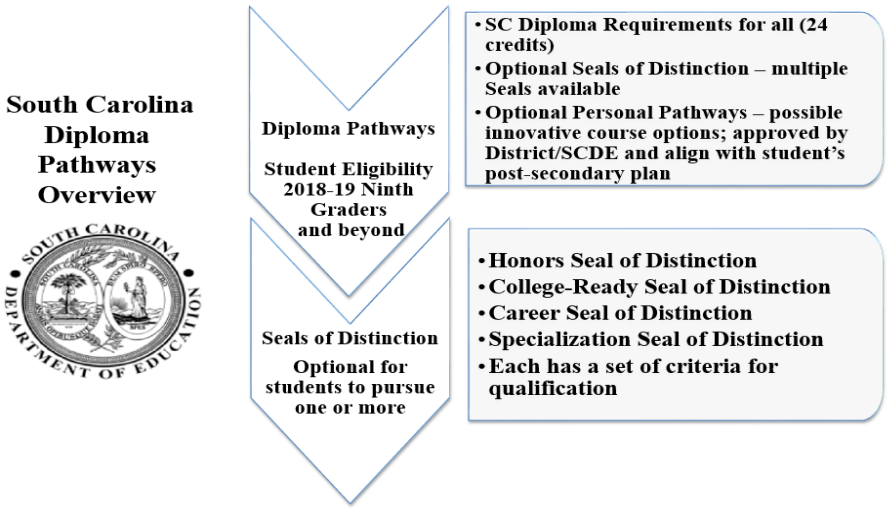
Students who wish to graduate early need to discuss this with their counselor. This allows courses to be scheduled appropriately. **To participate in the graduation ceremony, a student must declare plans to graduate by the first day of the fall semester.** This applies to both 4th year students who want to graduate at the end of first semester of the senior year and to 3rd year students who want to graduate at the end of the school year. The student and parent must have a conference with an administrator and a counselor, and the parent must submit a request form. Students who do not follow these procedures will receive a diploma but may not participate in the graduation ceremony. Early graduates are no longer enrolled as active high school students during the spring term but are invited to participate in the graduation ceremony. They may not participate in school sponsored spring activities such as sports, band, chorus, prom, etc.

Senior Privileges

Fourth year students who are eligible to become seniors at the end of first semester may have Senior pictures made, order graduation supplies, have names on Senior T-shirt and mug, be in the Senior group picture, and transfer to a Senior homeroom after first term. **They will not be allowed the following senior privileges:** Senior parking first term, participation in Senior Class activities or meetings during first term, representation of the Senior Class in any official capacity during first term, and exemption of exams during first term.

S.C. Diploma Pathways

The State of South Carolina has introduced diploma pathways. This starts with students who were freshman in the 2018-2019 school year.



DIPLOMA PATHWAYS SEALS OF DISTINCTION OVERVIEW

Students shall meet all requirements for earning a South Carolina high school diploma to be eligible to earn any Seal of Distinction.
One or more Seals may be earned, but are not required for graduation.
Consult District or School Curriculum Guides for more information regarding curriculum choices and requirements.

Honors
Seal of Distinction

UGP GPA 3.5 or higher

English - 4 credits
2 at honors or higher level

Math - Algebra 1, Algebra 2, Geometry, and a 4th higher level math requiring Algebra 2 as a prerequisite
3 at honors or higher level

Lab Science - 3 credits
2 at honors or higher level

Social Studies - 3 credits
2 at honors or higher level

World Languages -
2 credits of the same language for students entering 9th grade in 2018–2019
3 credits of the same language for students entering 9th grade in 2019–2020 and beyond

Advanced Coursework -
4 additional credits of honors or higher completed during the Junior/Senior years (the last 2 years prior to graduation)

College Ready
Seal of Distinction

UGP GPA 3.0 or higher
or
ACT 20 or higher
or
SAT 1020 or higher
Tests may be superscored

English - 4 credits

Math - Algebra 1 (or the equivalent of Algebra 1), Algebra 2, Geometry, and another higher level math

Lab Science - 3 credits

Social Studies - 3 credits

World Language - 2 credits in the same language

Fine Arts - 1 credit

Military Specialization
Seal of Distinction

UGP GPA 3.0 or higher

4 credits in JROTC and an ASVAB score of 31 or higher

Career Ready
Seal of Distinction

UGP GPA 3.0 or higher

Career and Technical Education (CTE) Completer with an industry recognized credential
OR
Silver or higher on Career Readiness Exam
OR
Completion of Career Ready Work-Based Learning (WBL) placement

STEM Specialization
Seal of Distinction

UGP GPA 3.0 or higher

4 credits beyond required graduation courses in math, science, technology, and engineering; at least 2 at honors or higher level

Courses may be in 1 area of STEM or across all 4 areas

Arts Specialization
Seal of Distinction

UGP GPA 3.0 or higher

4 credits in a single or multiple arts areas, 2 at the honors or higher level*
AND
Mastery on externally evaluated exam or performance task

*If honors credit is not available for arts courses, student must complete four courses in a single art area

World Language Specialization
Seal of Distinction

UGP GPA 3.0 or higher

4 credits in the same language
OR
a nationally normed proficiency-based language assessment score of "Intermediate Low" **OR**
AP exam score of 3 or higher **OR**
IB exam score of 4 or higher **OR**
Cambridge AICE Language exam score of E or better
before the senior year

Updated September, 2022

Curriculum Framework FAQ

What are the four Schools of Study?
Schools of Study help to organize the curriculum into broad program areas that are interrelated in terms of academic content and career pathways.

1. Arts and Humanities
2. Business and Information Technology
3. Engineering and Integrated Technologies
4. Health and Human Services

What is a career cluster?
A career cluster is an organizational "clustering" of common educational preparatory paths for students with similar goals, strengths, interests, and skills. Simply put, career clusters are a way of organizing and tailoring course work and work experience around specific groups of careers. Each cluster is designed to provide three exit points for students: to the workforce or military, to a two-year technical college, or to a four-year college or university.

What is the purpose of career clusters?

1. Clusters serve to focus student learning and course selection in the advisement process.
2. Clusters help students see the relevance of their high school studies to their next step (i.e. college or technical school, military, or work).
3. Clusters help create smaller learning communities within a large high school setting.
4. Clusters encourage curriculum integration at the school level.
5. Clusters help provide structure for the curriculum and advisement process.
6. Clusters enhance articulation with post-secondary institutions.

What is an EEDA major?
Each career cluster can have several career majors. Career majors involve at least four related units of study. Majors help students focus their **elective** courses around a more specific career path. Example:

School: Engineering and Integrated Technologies
Cluster: Science, Technology, Engineering, Math (STEM)
Majors: Math, Project Lead the Way: Pre-engineering

When do students declare a cluster (or EEDA major)?
Beginning in the 8th grade, middle school students develop an Individual Graduation Plan (IGP) where they select a School of Study and potential Career Cluster. In the 9th grade during their High School 101 class, students revise their IGP and may select a major. Beginning in the 10th grade, students declare a major to focus their elective choices.

Can students change a school, cluster and/or major on their IGP?
Absolutely! Students can change a career major if they find that this is not in their area of interest. Students are never locked into a specific cluster or major. Successful completion of four of the required courses listed in the template constitutes a major.

Do all students have to declare a major?
According to the EEDA, all students are expected to declare a major by the end of the 10th grade. However, students are not required to complete a major for graduation.

How does a student earn a cluster cord or cords?

1. A student who completes a major (four courses passed, based on course availability) as defined in the Program of Studies catalog may purchase and "walk" at graduation with a cord representing the School of Study.
2. Each of the four clusters will have a separate color.
3. Students may be completers in more than one major in a cluster, or more than one major in multiple clusters, and may wear cords accordingly.

Fort Mill School District Clusters and EEDA Majors Framework

School of Arts and Humanities

Students completing this major may be awarded a pink cord.

Arts Cluster:
Choral Music
Dance
Theatre
Instrumental Music
Visual Arts

Audio-Visual Technology and Communication Cluster:
Media Technology
Digital Art and Design
Graphic Communication
Journalism

Humanities Cluster:
Advanced Placement - Interdisciplinary Studies
English
International Studies
Social Studies

School of Business and Information Systems

Students completing this major may be awarded a silver cord.

Business Management and Administration Cluster:
General Management
Operations Management

Finance Cluster:
Accounting

Information Technology Cluster:
Programming and Software Development

Marketing, Sales, and Service Cluster:
Marketing Management

School of Engineering and Integrated Technologies

Students completing this major may be awarded a blue cord.

Agriculture, Food, and Natural Resources Cluster:
Animal Science
Environmental and Natural Resources
Horticulture

Architecture and Construction Cluster:
Project Lead the Way: Pre-Engineering

Science, Technology, Engineering, and Math Cluster:
Math
Project Lead the Way: Pre-Engineering
Science

Transportation, Distribution, and Logistics Cluster:
Automotive Technology

School of Health and Human Services

Students completing this major may be awarded a green cord.

Education and Training Cluster:
Early Childhood Education

Health Science Cluster:
Biomedical Science
Health Science
Sports Medicine
Diversified Health Science

Law and Public Services Cluster:
Law and Legal Services
Military Science

Hospitality and Tourism Cluster:
Culinary Arts

EEDA Career Clusters and Majors

This chart shows all of the career clusters and possible majors. Students must successfully complete the courses listed under each major in order to complete that major. Do not confuse this with the Career and Technology Education (CTE) "completer program" requirements. Information specific to the CTE requirements can be found on the chart on the pages following this chart.

School of Arts and Humanities

Cluster: Arts	Required courses to complete major
Majors	Select at least 4 from the same major
Choral Music	Choral Music Chorus 1, 2, 3, 4, 5, 6, Choral Rehearsal
Dance	Dance 1, 2, 3, 4 Theatre 1
Theatre	Theatre 1, 2, 3, 4 Dance, Chorus 1
Instrumental Music	Band 1, 2, 3, 4, 5, 6, 7, 8
Visual Arts	Drawing 1, 2 Painting 1,2 3-D Design/Sculpture Photography Portfolio art Ceramics 1, 2 AP Studio Art (2D, 3D, and/or Drawing) AP Art History
Cluster: Audio Visual Technology and Communication	Required courses to complete major
Majors	Select at least 4 from the same major
Media Technology	Media Technology 1, 2, 3, 4H
Digital Art and Design	Digital Art and Design 1, 2, 3, 4H
Graphic Communication	Graphic Communication 1, 2, 3, 4
Journalism	Introduction to Journalism Journalism 2 Yearbook Production or Journalism Editor Media Technology Photography Digital Art and Design, Graphic Communication

School of Arts and Humanities Continued

Cluster: Humanities	Required courses to complete major
Majors	Select at least 4 from the same major
Advanced Placement – Interdisciplinary Studies	4 AP Courses
English	Film and Fiction, Public Speaking Newspaper 1, 2 Creative Writing 1, 2 Introduction to Journalism English 5 AP English Literature, AP English Language
International Studies	French 1, 2, 3, AP, Dual Credit (Third level of same language required for major) Spanish 1, 2, 3, 4, AP, Dual Credit (Third level of same language required for major) Model United Nations
Social Studies	Sociology, Psychology, Criminal Justice Law Education, History of Sport Model United Nations Pre-AP/AP U.S. History AP European History, AP Human Geography AP Psychology, AP U.S. Gov., AP Macroeconomics AP Art History Dual Credit Criminal Justice Dual Credit Sociology

School of Business and Information Systems

Cluster: Business Management and Administration	Required courses to complete major
Majors	Select at least 3 from the same major
General Management	*Required courses:* Entrepreneurship Accounting 1 ***Choose 2 from following:*** Accounting 2, Business Law, Marketing, Marketing Management, Integrated Business Apps, Fundamentals of Computing, Virtual Enterprise 1-4, Work Based Learning Credit
Operations Management	*Required Courses:* Virtual Enterprise 1 Virtual Enterprise 2 ***Choose 2 from following:*** Accounting 1, 2, Business Law, Entrepreneurship, Marketing, Integrated Business Apps, Fundamentals of Computing, Virtual Enterprise 3, 4 Work-based Learning Credit
Cluster: Finance	Required courses to complete major
Major	Select at least 3 from the same major
Accounting	*Required Courses*: Accounting 1, Accounting 2 ***Choose 2 from the following:*** Entrepreneurship, Personal Finance Virtual Enterprise 1, 2, 3, 4, Integrated Business Apps Fundamentals of Computing, Work-based Learning Credit
Cluster: Information Technology	Required courses to complete major
Major	Select at least 3 from the same major
Programming and Software Development	*Required Courses:* Computer Programming 1, Computer Programming 2 ***Choose 2 from the following:*** Entrepreneurship, Foundations of Animation Fundamentals of Computing, Integrated Business Apps Web Page Design, AP Computer Science, Work-based Learning Credit
Cluster: Marketing, Sales and Service	Required courses to complete major
Major	Select at least 3 from the same major
Marketing Management	*Required Courses:* Marketing Marketing Management ***Choose 2 from the following:*** Sports/Entertainment Mgt., Entrepreneurship Accounting 1, 2, Business Law, Fundamentals of Computing, Virtual Enterprise 1, 2, 3, 4, Integrated Business Apps, Work-based Learning Credit

School of Engineering and Integrated Technologies

Cluster: Agriculture, Food and Natural Resources	Required courses to complete major
Majors	Select at least 4 from the same major
Animal Science	Agricultural Sci. and Tech Animal Science Small Animal Care Intro to Veterinary Science Equine Science Work-based Learning Credit
Environmental and Natural Resources	Agricultural Sci. & Technology Environmental & Natural Resource Management Wildlife Science Aquaculture Outdoor Recreation Work-based Learning Credit
Horticulture	Agricultural Sci. & Technology Intro to Horticulture Nursery, Greenhouse and Garden Center Technology Agribusiness Agriculture Work-based Learning Credit
Cluster: Science, Technology, Engineering and Math	Required courses to complete major
Majors	Select at least 4 from the same major
Math	Pre-Calculus CP or Honors Calculus H, AP Calculus AB, AP Calculus BC Statistics CP or Honors, AP Statistics
Project Lead the Way: Pre-Engineering	*Required Courses:* Introduction to Engineering Principles of Engineering *Choose 2 from the following:* Digital Electronics, Civil Engineering, Comp. Integrated Manufacturing, Engineering Design & Dev. Aerospace Engineering
Science	Physics CP or Honors Biology 2, Pre AP/AP Biology (2 units) Chemistry 2, AP Chemistry, AP Physics 1, Marine Science Environmental Science, Forensic Science
Cluster: Transportation, Distribution and Logistics	Required courses to complete major
Major	Select at least 4 from the same major
Automotive Technology	Auto Technology 1, 2, 3, Auto Technology 4H Work-Based Credit

School of Health and Human Services

Cluster: Education and Training	Required courses to complete major
Major	Select at least 4 from the same major
Early Childhood Education	*Required Courses:* Child Development 1 Early Childhood Education 1 Early Childhood Education 2 *Choose 1 from the following:* Education and Training Internship Teacher Cadet
Cluster: Health Science	Required courses to complete major
Majors	Select at least 4 from the same major
Biomedical Science – PLTW	Principles of Biomedical Sciences Human Body Systems Medical Interventions Biomedical Innovation H
Health Science	Health Science 1, 2, 3, 4H
Sports Medicine	*Required Courses:* Sports Medicine 1, 2, and 3 *Choose 1 from the following:* Health Science 1, 2, 3, or 4 Principles of Biomedical Sci. Human Body Systems
Diversified Health Science	Sports Medicine 1, 2, 3 Health Science 1, 2, 3, 4H Principles of Biomedical Sciences Human Body Systems Medical Intervention Biomedical Innovation H
Cluster: Law and Public Service	Required courses to complete major
Majors	Select at least 4 from the same major
Law and Legal Services	Law Education, Criminal Justice, Business Law Public Speaking, U.S. Government/Economics
Military Science	JROTC 1 - 8 Leadership Lab
Cluster: Hospitality and Tourism	Required courses to complete major
Major	Select at least 4 from the same major
Culinary Arts	Culinary Arts Management 1 Culinary Arts Management 2 Choose 2 from the following: Food and Nutrition 1, Accounting 1, Entrepreneurship IBA, Fundamentals of Computing, Hospitality and Tourism Internship

Fort Mill Schools 2023-2024
CTE Programs
Completer Requirements (current as of printing)

(CTE completers may be awarded a teal chord for the graduation ceremony.)

Program	**Completer** 3 or more courses by program (Bolded courses are required)
Accounting (3 courses)	**Accounting 1** **Accounting 2** And one of the following: Business Law, Entrepreneurship, Personal Finance
Automotive Technology (4 courses)	**Automotive Technology 1** **Automotive Technology 2** **Automotive Technology 3** **Automotive Technology 4 or Auto WBL**
Computer Programming (3 courses)	**Computer Programming 1** **Computer Programming 2** And one of the following: Entrepreneurship, Foundations of Animation, Fundamentals of Computing, Web Page Design
Culinary Arts (3 courses)	**Food and Nutrition 1** **Food and Nutrition 2** **Culinary Arts Management 1** **Culinary Arts Management 2**
Digital Arts & Design (4 courses)	**Digital Art and Design 1** **Digital Art and Design 2** **Digital Art and Design 3** **Digital Art and Design 4 or WBL**

Early Childhood Education (4 courses)	**Child Development 1** **Early Childhood Education 1** **Early Childhood Education 2** And one of the following: Education and Training Internship or Teacher Cadet Course (CTE), Entrepreneurship, Foods and Nutrition 1, Health Science 1
Environmental & Natural Resources (4 courses)	**Agricultural Science and Technology** **Environmental and Natural Resources Management** **Wildlife Management** **Outdoor Recreation or Agriculture WBL**
General Management (3 courses)	**Accounting 1** **Entrepreneurship** And one of the following: Accounting 2, Business Law, Marketing, Marketing Management, Virtual Enterprise 1
Graphic Communication (4 courses)	**Graphic Communications 1** **Graphic Communications 2** **Graphic Communications 3** **Graphic Communications 4 or WBL**
Health Science (3 courses)	**Health Science 1** **Health Science 2** And one of the following: Health Science 3 Health Science 4 – Clinical Studies PLTW Human Body Systems Introduction to Veterinary Science

Horticulture (4 courses)	**Agricultural Science and Technology** **Introduction to Horticulture** **Nursery, Greenhouse, and Garden Center Technology** **Agribusiness and Marketing or Agriculture WBL**
Marketing Management (3 courses)	**Marketing** **Marketing Management** And one of the following: Accounting 1, Accounting 2, Business Law, Entrepreneurship, Sports and Entertainment Management
Media Technology (4 courses)	**Media Technology 1** **Media Technology 2** **Media Technology 3** **Media Technology 4 or WBL**
Operations Management (3 courses)	**Virtual Enterprise 1** **Virtual Enterprise 2** And one of the following: Accounting 1, Business Law, Entrepreneurship, Virtual Enterprise 3 or 4
Plant and Animal Science (4 courses)	**Agricultural Science and Technology** **Animal Science** **Small Animal Care** **Equine Science** **Introduction to Veterinary Science or Agriculture WBL**
PLTW Biomedical Science (3 courses)	**Principles of Biomedical Science** **Human Body Systems** **Medical Interventions** **Medical Innovations**

PLTW Pre-Engineering (4 courses)	**Introduction to Engineering Design** **Principles of Engineering** And two of the following: Aerospace Engineering Civil Engineering and Architecture Computer Integrated Manufacturing Digital Electronics Engineering Design and Development
Sports Medicine (3 courses)	**Sports Medicine 1** **Sports Medicine 2** And one of the following: Sports Medicine 3 Health Science 3

Course Descriptions

ENGLISH COURSES

Students are expected to take English each year in high school.

English 1 - CP **302402CW**

Grade: 9

English 1 CP is a course in which students learn strategies to unlock the meaning of a variety of literary genres. There is a strong focus in this course on developing study, group and presentation skills and applying them to the study of English. Weekly writing assignments and vocabulary units will be assigned. Students will study vocabulary and the mechanics and usage of the English language. Students can expect to study, read or complete homework each night, including short overnight and long-term assignments. On a regular basis, students will be required to read a book of their choice and complete a related assignment. At the end of the course, the student will complete a portfolio to demonstrate their learning and describe their goals for the next year.

English 1 – H **302405HW**

Grade: 8, 9

Prerequisite: For those taking the class in 8th grade GT qualification is required, for those taking the course in the 9th grade an "A" for a final grade in 8th grade ELA or an "Exceeds Expectations" score on most recent SC Ready in Reading, Teacher Recommendation

English I Honors is a year-long (middle school) / semester-long (high school) course in which students will participate in the study of a multi-genre curriculum to prepare students for future coursework in the AP English track in high school. This course emphasizes writing composition, analytical reading, and inquiry-based learning. The Honors level course will involve a more in depth and writing intensive study of English I. Students will be expected to read and analyze a variety of texts across various genres, utilize research and writing skills to complete projects, use critical thinking skills to evaluate and make connections between texts, and to communicate clearly their thoughts and opinions with fellow classmates and the teacher.

English 2 - CP **302502CW**

Grade: 10

Prerequisite: English 1

This survey course of literature incorporates the integrated study of vocabulary, grammar, analysis and composition skills through the study of multicultural short stories, poetry, fiction, nonfiction, and drama. Students will utilize textbooks, novels, work-books and parallel texts. Compositions focus on literary analysis using literary terms, as well as narrative, expository and persuasive styles. The research process will be addressed through the literature component. Students will be required to present their work to their peers using available technology. **Students are required to take an End-of-Course exam provided by the SC State Department of Education which counts 20 percent of the final grade.**

English 2 - H **302501HW**

Grade: 9, 10

Prerequisite: Student must meet state criteria for Gifted and Talented and Teacher recommendation or a B or higher in English 1 Honors

This course concentrates on an advanced study of selected literary works from various genres and eras. In addition, the course develops students' skills in expository writing, listening, speaking, critical thinking, independent research, and vocabulary. Supplementary and pre-course reading is required. **Students are required to take an End-of-Course exam provided by the SC State Department of Education which counts 20 percent of the final grade.**

English 3 - CP **302602CW**

Grade: 11

Prerequisite: English 2 CP or English 2 Honors

This course focuses on American literature. This course involves vocabulary development related to SAT-level words, improvement of grammar and usage, and persuasive research and composition. Literature includes a survey of the major periods, themes, and techniques of American literature. Supplementary reading is required.

English 3 - H **302601HW**

Grade: 10, 11

Prerequisite: Student must meet state criteria for Gifted and Talented and Teacher recommendation or a B or higher in English 2 Honors

This English course concentrates on the study of the historical context, literary movements, and writers' techniques of each major period in American literature. In addition to the text, the course requires considerable supplemental reading during the semester, vocabulary development related to SAT-level words, independent research and composition, and research-based expository and persuasive writing.

English 4 - CP **302702CW**

Grade: 12

Prerequisite: English 3 CP or H

English 4 CP is a study of applied grammar through composition. Attention is given to good writing style with special emphasis on critical analysis. In addition, a survey of British literature is provided with emphasis on some of the major works such as *Beowulf*, *Canterbury Tales*, *Macbeth*, and novels by British or world authors. Parallel readings and extensive vocabulary studies are required. This course is designed for students interested in a four-year post-secondary education.

English 4 - H **302701HW**

Grade: 11

Prerequisite: English 3 H and/or teacher recommendation

English 4 Honors is a course designed to prepare students to take AP English the following year. Throughout the semester students review the rules of grammar through the composition process. Also, students analyze the elements of good writing style in English prose and in their own compositions. Composition requirements include reader responses, expository essays, analytical essays, and a literary-based research paper. Students are engaged in extensive vocabulary studies in order to prepare for the PSAT, SAT and ACT. This course provides a survey of British literature with an emphasis on works such as *Beowulf, The Canterbury Tales, Macbeth, Paradise Lost,* and *Gulliver's Travels*. Students are also expected to read seven other designated parallel novels and/or plays by British or world authors. Students taking this course should be planning to pursue a four-year post-secondary education.

English 5- CP **303001CW**

Grade: 12

Prerequisite: English 4 CP

English 5 is designed to prepare students for college-level English courses. The course emphasizes reading and composition. Students will write in a variety of modes including literary analysis and descriptive, expository, and persuasive essays. The course emphasizes critical reading alongside vocabulary, grammar, and style. Students will carefully study literary genres including twentieth-century fiction and non-fiction, world literature, and classical drama.

ENGLISH COURSES (continued)

English 5 - H **303000HW**

Grade: 12 Prerequisite: English 4 CP or H and teacher recommendation
English 5 Honors is designed to prepare students for college-level English courses with advanced rigor. The course emphasizes composition with regards to critical reading and problem solving. Students will write in a variety of modes including literary analysis and descriptive, expository, and persuasive essays. The course emphasizes critical reading alongside vocabulary, grammar, and style. Students will carefully study literary genres including twentieth-century fiction and non-fiction, world literature, and classical drama.

AP English Language, AP English Literature **307100AW, 307000AW**

Grade: 12 Prerequisite: English 4 CP/H and Teacher recommendation
This two-semester year long course provides a college-level study of writing and of literature. Students will be involved in careful reading of representative literary works, critical analysis of reading, and practice in writing exposition and argument, especially in response to literary selections. The Advanced Placement exams are required at the conclusion of the course. Students will be prepared for the language and the literature exam; those who achieve an adequate score on the AP exam(s) can earn college credit for the course.

Transition Reading 1 **379940CW**

Grade: 9
Prerequisite: SC Ready scores, MAP scores, grades, diagnostic tests, recommendations from 8th grade teachers, and/or IEP are used for identification of students for this course.
This course is designed to remediate and strengthen reading and writing skills. Using a multi-sensory approach and research-based strategies, teachers will provide instruction in word decoding, reading comprehension, fluency, sentence and paragraph writing, grammar, and usage. The course is integrated into the English 1 curriculum and taught over the course of a year. This will be an elective course and will not count as an English credit towards graduation.

Transition Reading 2 **379941CW**

Grade: 10
Prerequisite: SC Ready scores, MAP scores, grades, diagnostic tests, recommendations from 9th grade teachers, and/or IEP are used for identification of students for this course.
This course is designed to remediate and strengthen reading and writing skills and is a continuation of Transition Reading. Using a multi-sensory approach and research-based strategies, teachers will provide instruction in word decoding, reading comprehension, fluency, sentence and paragraph writing, grammar, and usage. The course is integrated into the English 2 curriculum and taught over the course of a year. This will be an elective course and will not count as an English credit towards graduation.

Public Speaking **304000CW**

*Grade*s: 9, 10, 11, 12
This college preparatory elective is designed to introduce students to the foundations of proper communication and to provide practice for a variety of public speaking situations. Selected units may include interpersonal skills, debate, discussion, interviewing, broadcasting, and parliamentary procedure. The course will provide instruction in the preparation and delivery of formal and informal speeches.

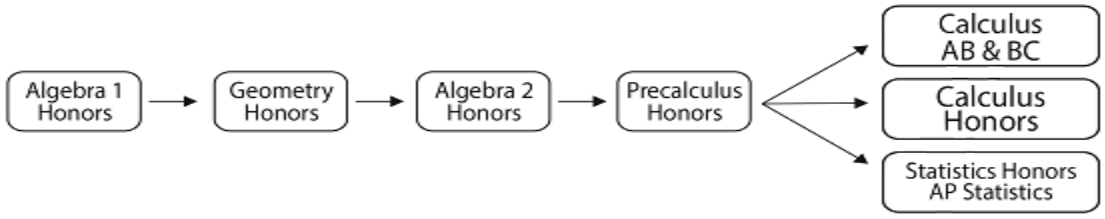
Film & Fiction **309920CW**

Grades: 10, 11, 12 Prerequisite: English 2
Film & Fiction is an English elective designed to teach students how to appreciate serious films and the literary sources for those films. The course will involve reading novels, plays, and essays about film criticism and theory. The course will require tests and quizzes on assigned reading and film, as well as writing reviews and analytical essays.

For additional English electives, see Journalism courses. Description of Journalism courses may be found under Communications on pages 51-52.

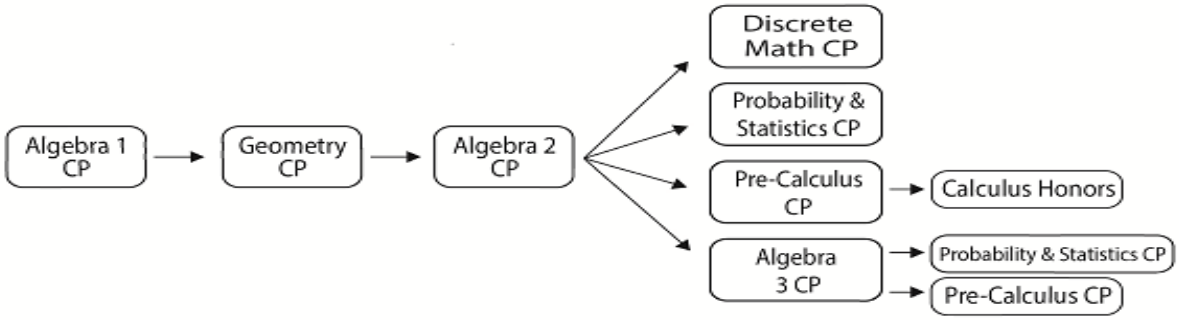
Fort Mill School District
High School Math Course Pathways Flow Chart

This pathway is appropriate for students who plan to attend a four-year institution.

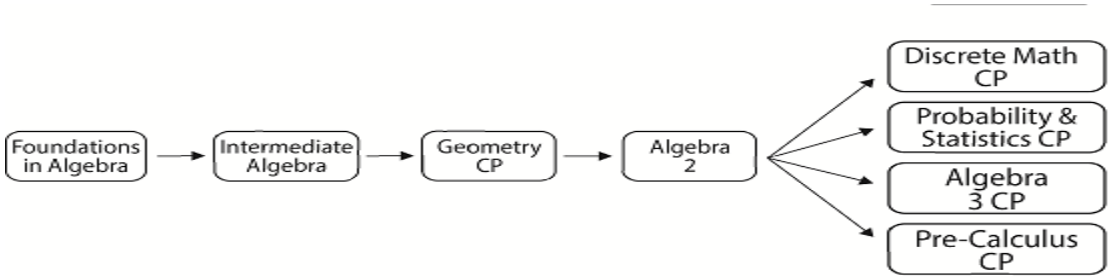


The following course progressions are recommended for two-year and four-year college bound students. Universities have different requirements in accordance with the Commission on Higher Education. <u>Please check with your school counselors to determine the most appropriate pathway</u>.

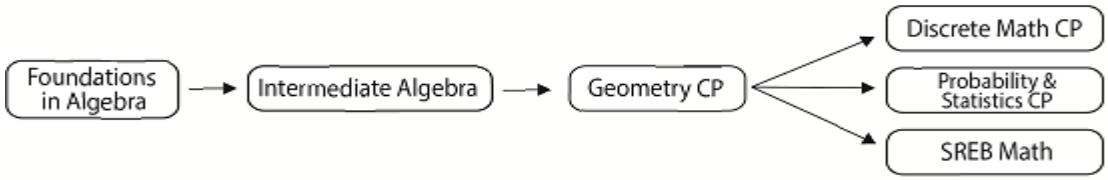
Pathway 1A (4-Year Institution)



Pathway 1B (4-Year Institution)



Pathway 2 (High School Graduation/Two-Year Institution)



MATHEMATICS COURSES

Algebra 1 - CP **411400CW**

Grades: 9, 10

Prerequisite: Teacher Recommendation

Mastery Algebra is the first level of college preparatory math. Emphasis is placed on solving linear equations and inequalities, basic operations, factoring of polynomials, and applying these concepts to solve real world problems. Parental support is an integral part of this course. Students are required to have a scientific or graphing calculator which is used daily in completing assignments. **Students are required to take an End-of-Course exam provided by the SC State Department of Education. This exam counts 20 percent of the student's final grade.**

Algebra 1 – H **411405HW**

Grades: 8, 9

Prerequisite: For students taking the course in the 9th grade they will need to have a final grade of A in 8th grade math or "Exceeds Expectations" score on most recent SC Ready in Math, teacher recommendation. For those students taking the course in 8th grade they are required to meet GT qualifications

Algebra 1 honors requires students to complete the course content that meets all SC Algebra 1 standards plus additional lessons and concepts beyond the state requirement for Algebra 1. Algebra uses variables to generalize and extend the laws of arithmetic. The student will acquire facility in applying algebraic concepts and skills to real world problems. Students continue the study of algebraic concepts including operations with real numbers and polynomials, relations and functions, creation graphing and application of linear functions and relations and an introduction to non-linear functions. This course is the basis for all further study of secondary mathematics therefore mastery is essential. This course aligns with the *South Carolina Academic Standards for Mathematics for Algebra 1* and the *Mathematical Practice Standards*. This course will include the study of the real number system, linear equations and inequalities, polynomials and factoring, graphing and modeling of functions and relations, quadratic and exponential relationships, as well as irrational numbers and descriptive statistics.

This course is intended to challenge the highly motivated and high-performing student desiring an advanced study of mathematics. **All Algebra 1 honors students must participate in the South Carolina End-of-Course Examination Program. This exam counts for 20% of the final grade**.

Foundations in Algebra **411600CW**

Grades: 9, 10

Prerequisite: Teacher Recommendation

This course emphasizes the application of algebraic concepts and skills. Students apply problem-solving techniques, estimation skills, and measurement skills to solve contextual and mathematical problems, including applications related to geometry, data analysis, and statistics. Students work within the real number system to solve problems requiring the use of linear, quadratic, and exponential functions. Students also use graphing techniques to solve problems, including graphing calculators and/or computer software as appropriate.

Transition Math 1 **379935CW**

Grade: 9

Prerequisite: SC Ready scores, MAP scores, grades, diagnostic tests, recommendations from 8th grade teachers, and/or IEP are used for identification of students for this course.

This course is designed to remediate and strengthen math skills. Using a multi-sensory approach, teachers will instruct using small steps to assure mastery of basic skills. The course is integrated into the Foundations in Algebra curriculum and taught over the course of a year. This will be an elective course and will not count as a math credit towards graduation.

Intermediate Algebra **411700CW**

Grades: 9, 10

Prerequisite: Foundations in Algebra

This course emphasizes the application of algebraic concepts and skills to solve mathematical and contextual problems that can be modeled with linear, quadratic, exponential and rational functions. These problems may include scenarios related to geometry, data, statistics, direct variation, and inverse variation. Students also use graphs and tables to display and solve problems using graphing calculators and/or computer technology as appropriate. **Students are required to take an End-of-Course exam provided by the SC State Department of Education. This exam counts 20 percent of the student's final grade.** The successful completion of Foundations in Algebra AND Intermediate Algebra is equivalent to the successful completion of Algebra 1 CP.

Transition Math 2 **379936CW**

Grade: 10

Prerequisite: Aspire scores, MAP scores, grades, diagnostic tests, recommendations from 9th grade teachers, and/or IEP are used for identification of students for this course.

This course is designed to remediate and strengthen math skills. Using a multi-sensory approach, teachers will instruct using small steps with much repetition to assure mastery of basic skills. The course is integrated into the Intermediate Algebra curriculum and taught over the course of a year. This will be an elective course and will not count as a math credit towards graduation.

Geometry - CP **412202CW**

Grades: 9, 10, 11

Prerequisite: Successful completion of Algebra 1 or Intermediate Algebra

Geometry CP concepts are introduced visually, inductively, and deductively by a variety of methods. Topics include inductive and deductive reasoning (proof), properties of polygons, constructions, transformations, area, volume, right triangles, similarity, and trigonometry. Students are required to have a scientific (TI30xIIS) or graphing calculator (TI-84).

Geometry - H **412201HW**

Grades: 9, 10

Prerequisite: B average in Algebra 1 and teacher recommendation

Honors Geometry uses an inductive approach in which students perform investigations. Students analyze the results to develop rules and formulas based on patterns in their observations. Concepts are introduced visually, inductively, analytically, and finally deductively (proof). Topics are the same as studied in Geometry CP. The Honors level emphasizes deductive proof, independent thought and development of study skills. Students are required to have a scientific or graphing calculator which is used daily in completing assignments.

Algebra 2 - CP, SAT Improvement **411502CW, 401100CW**
Grades: 10, 11, 12
Prerequisite: Geometry and teacher recommendation
This program of paired courses will be offered for one class period over two semesters. Students will have the opportunity to learn and reinforce Algebra 2 concepts over two semesters. In addition, students will develop test preparation skills for SAT, ACT or other college placement tests. Students will earn one unit of Algebra 2 and one unit of SAT Improvement.

Algebra 2 - CP **411502CW**
Grades: 10, 11, 12
Prerequisite: Completion of Algebra 1 CP and Geometry CP; "A" average in Intermediate Algebra and teacher recommendation
Algebra 2 extends the knowledge of all concepts studied in Algebra 1 and unifies them with those concepts studied in Geometry. Topics introduced are the set of complex numbers, and rational exponents. A graphing calculator (TI-84) is strongly recommended. Students are encouraged to be enrolled or have taken Algebra 2 before taking the SAT.

Algebra 2 - H **411501HW**
Grades: 10, 11, 12
Prerequisite: B average in both Geometry Honors and Algebra 1 Honors
Algebra 2 extends the knowledge of all concepts studied in Algebra I and unifies them with those concepts studied in Geometry. Topics introduced include the set of complex numbers, rational exponents, exponential and logarithmic functions, and advanced polynomial functions. Applying concepts to real world problem solving is emphasized. Students are strongly encouraged to have a scientific and graphing calculator. TI-84 is the graphing calculator used for instruction.

Algebra 3 - CP **411302CW**
Grades: 11, 12
Prerequisite: Algebra 2 and teacher recommendation
This course is intended to prepare students for pre-calculus and beyond. Algebra 3 is a program of mathematical studies focusing on the development of the student's ability to understand and apply the study of functions and advanced mathematical concepts to solve problems. The course will include a study of polynomial, rational, exponential, logarithmic, conics, matrices and trigonometric functions. A graphing calculator (TI -84) is strongly recommended.

Pre-Calculus - CP **413102CW**
Grades: 11, 12
Prerequisite: C average in Algebra 2
This course develops a firm grasp of the underlying math concepts of precalculus while using algebra as a tool. Solving real-life problems are studied through the use of discovery and exploration, integrated technology and consistent problem-solving strategies. Topics found in this course include functions, exponents, logarithms, conics, matrices, graphs and trigonometry. A graphing calculator (TI-84) is strongly recommended.

Pre-Calculus - H **413101HW**
Grades: 11, 12
Prerequisite: B average in Algebra 2 Honors
This course is designed for the student who successfully completed Algebra 2 Honors. Topics found in this course are functions, exponents, logarithms, matrices, polar coordinates, and trigonometry. The correlation between the topics discussed and the real world are found in problem solving activities. A graphing calculator (TI-84) is strongly recommended.

Calculus - H **413500HW**

Grade: 12

Prerequisite: C average in Honors Pre-Calculus; B average in Pre-Calc CP and teacher recommendation
Calculus is the mathematics of motion and change. The course will cover first year calculus in two parts: differential and integral calculus. A graphing calculator (TI-84) is strongly recommended.

AP Calculus AB and BC **417020AW, 417200AW**

Grades: 11, 12

Prerequisite: "A" in Pre-Calc CP or B or better in Pre-Calc Honors and Teacher Recommendation
Two Semesters: AP Calculus AB Fall, AP Calculus BC Spring (2 units)
This course provides a study of limits and their properties; modeling and regression; differentiation; applications of differentiation, related rates, optimization and curve sketching; integration; applications of integration including area, volume, work, and force; logarithmic differentiation, differential equations, trigonometric integrals, inverse trig functions differentiation, and integration, integration by parts, and power series and polar area. Students are required to take the AP Calculus BC examination in May. Both a BC and an AB sub-scores on the AP Exam will be forwarded to selected colleges. The course content corresponds to the syllabus established by the College Board AP Program. Graphing calculator is required.

Probability and Statistics – CP **414100CW**

Grades: 11, 12

Prerequisite: Geometry CP or Algebra 2 and teacher recommendation
Data collection, description and analysis are studied as ways to report findings and build mathematical models for prediction and decision making. Statistics assess the usefulness of models. Applications to business, social science and health science are included. A graphing calculator (TI-84) is strongly recommended.

Probability and Statistics - H **414101HW**

Grades: 11, 12

Prerequisite: C or better in Algebra 2H or Pre-Calculus H or B or better in Alg2 CP or Pre-Calculus CP
This advanced level math course prepares students for entering AP Prob/Stat or an introductory college course in statistics. Data collection, description and analysis are studied as ways to report findings and build mathematical models for prediction and decision making. Probability is used to assess the usefulness of models. Applications to business, social science and health science are included. Designing experiments and testing hypotheses are included in this course. Binomial and geometric distributions are introduced. A graphing calculator (TI-84) is strongly recommended.

Statistics - AP **417100AW**

Grade: 11, 12

Prerequisite: Statistics H must be taken in consecutive semesters
This is an advanced level math course which prepares students for a national AP Statistics exam. An adequate score on the national exam may earn college credit for an introductory college course in statistics. Choosing data collection methods, designing experiments and testing hypotheses are included in this course with additional emphasis being given to communicating and justifying methods and conclusions. A graphing calculator (TI-84) is strongly recommended.

SREB Ready for College Math CP **314600CW**

Grade: 11, 12

Prerequisite: Approval by school administration, Geometry CP

This course emphasizes an understanding of math concepts, as opposed to memorizing facts. Math Ready students learn the context behind procedures and come to understand the "whys" of using certain formulas or methods to solve a problem. By engaging students in real-world applications, this course develops critical-thinking skills that students will use in college and careers. This course is not approved by the NCAA for potential collegiate athletes and it is not approved for entrance into a 4-year University. It is not designed to prepare students for advanced mathematics in STEM majors.

Discrete Mathematics – CP **414200CW**

Grades: 11, 12

Prerequisite: Geometry CP or Algebra 2

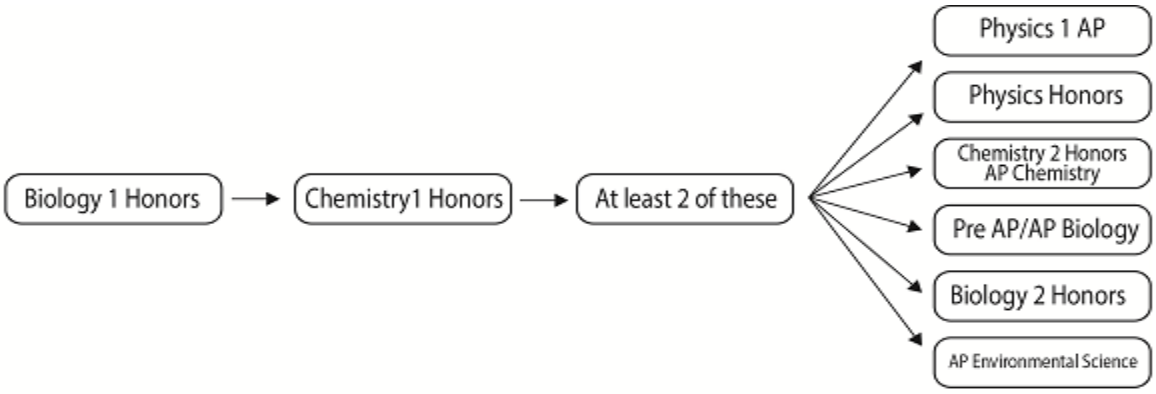
If a student is on the 4-year University pathway, the prerequisite is completion of Algebra 2

If a student is **NOT** on the 4-year University pathway, the prerequisite is the completion of Geometry

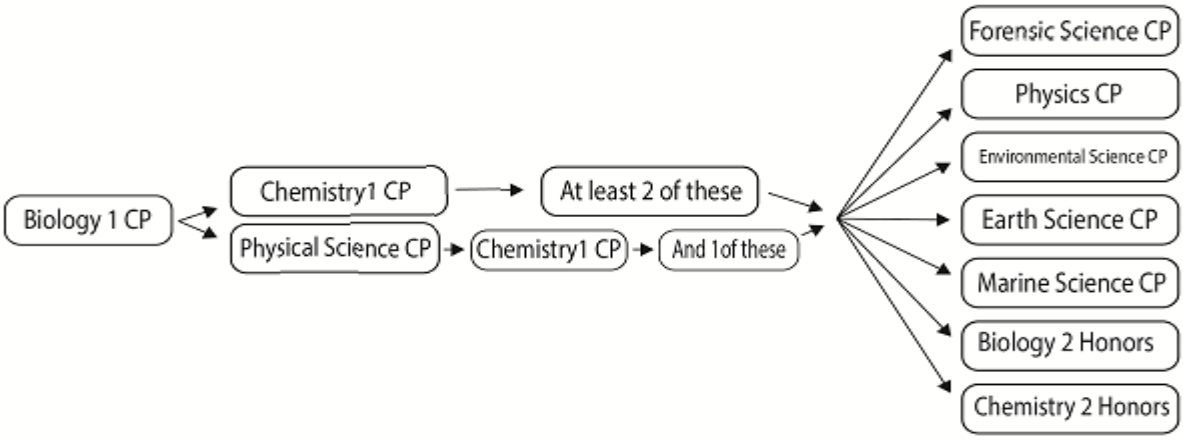
Discrete Mathematics introduces students to the mathematics of networks, social choice, and decision making. The course extends students' application of matrix arithmetic and probability. Applications and modeling are central to this course of study. Appropriate technology, from manipulatives to calculators and application software should be used regularly for instruction and assessment.

FMSD High School Science Course Pathways
****Physical Science is not considered a lab science.**

Honors Pathway

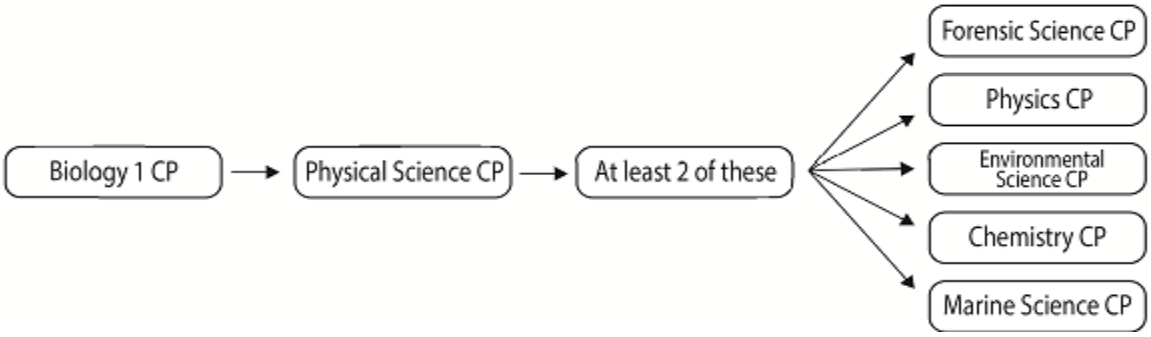


College Bound Pathway



High School Graduation Pathway

Students must take Physical Science CP, Biology 1 CP and then two more courses from the remaining five choices. One of these two additional courses should be taken during their senior year.



These three (3) pathways are based on the typical course progression. Actual course registration is based on grades and teacher recommendations. Students may move between pathways. Most colleges and universities require three (3) lab sciences for admission. All of our science courses are considered lab sciences **except** for Physical Science. Please consult your guidance department for more information.

SCIENCE COURSES

Physical Science – CP (not considered a lab science) **321101CW**
Grades: 10,11.12
Prerequisite: Completion of Foundations and Intermediate Algebra
This course is designed to provide a background for enrollment in Chemistry and Physics. Students will spend nine weeks studying basic chemistry: the composition of matter, how elements behave, and how elements combine to form new substances. The second nine weeks introduces topics in basic physics including the laws of motion, work and machines, and some of the different forms of energy. This course develops laboratory skills and problem-solving skills.

Biology 1 - CP **322100CW**
Grade: 9
Prerequisite: Completion of 8th grade Science
In this course, the student explores areas of cellular biology, genetics, ecology and evolution. The course may include dissections as well as other laboratory exercises. Projects are required. **Students are required to take an End-of-Course exam provided by the SC State Department of Education. This exam counts 20 percent of the student's final grade.**

Biology 1 - Honors **322100HW**
Grade: 9
Prerequisite: "A' in 8th grade Science
This course is a rigorous college preparatory biology class for highly motivated students who have demonstrated excellent study skills and high aptitude in science, math and/or English. The course will cover basic chemistry, cellular biology, genetics, evolution, classification, and inquiry skills in greater depth than Biology CP. The course will emphasize critical thinking and writing skills, laboratory skills, calculating data, graphing and essay exam questions. Students planning on enrolling in AP Biology or AP Chemistry should take this course. **Students are required to take an End-of-Course exam provided by the SC State Department of Education. This exam counts 20 percent of the student's final grade.**

Chemistry 1 - CP **323100CW**
Grade: 10, 11, 12
Prerequisite: Completion of Biology 1 CP and Algebra 1 CP
Chemistry 1 is a college preparatory course designed to provide the college bound student with a well-rounded background in chemistry. The course seeks to help the student develop fundamental problem-solving skills and provides the student with knowledge of chemistry and its effects on their daily lives. The student will be exposed to basic chemistry concepts, will learn how to use standard chemistry lab equipment, and will develop skills needed to enter a first-year college chemistry course.

Chemistry 1 - H **323100HW**

Grades: 10, 11
Prerequisite: C or better in Algebra 1 H; or an A in the Algebra 1 CP
And a C or better in Biology 1 H; or an A in Biology 1 CP
Chemistry 1 Honors is an accelerated college preparatory chemistry course. This course is designed for highly motivated students who have demonstrated excellent study skills and high aptitude in math and science. Chemistry topics are the same as in Chemistry 1 CP, but they are covered in much more theoretical depth and more strenuous mathematical expectations. Students planning on enrolling in AP Biology or AP Chemistry should take this course.

Chemistry 2 - H **323200HW**

Grades: 11, 12
Prerequisite: C or better in Chemistry 1 H and Algebra 2 H
Chemistry 2 is an advanced course designed for students who have an interest in science or who have career interests which require a strong chemistry background: medicine, engineering, or science majors. Emphasis is placed on developing good laboratory and problem-solving skills especially in the areas of environmental chemistry, electrochemistry, nuclear chemistry, chemical analysis, solution chemistry, and organic. Chemistry in the "real" world is introduced on a continuing basis. Chemistry 2 provides students with the additional skills needed for chemistry courses required of science and engineering majors. Chemistry 2 Honors is the prerequisite for AP Chemistry.

Chemistry - AP **327300AW**

Grades: 11, 12
Prerequisite: Chemistry 2 H must be taken in consecutive semesters
This course is designed to be the equivalent of the general chemistry course usually taken during the first year in college. In this course, students will pursue a more in-depth study of topics covered in Chemistry 2 as well as other topics covered in the AP Chemistry course from The College Board. These topics include structural isomerism, organic chemistry, kinetics and thermodynamics as well as a review of topics from Chemistry CP such as gas laws and reactions. Accompanying lab work will give the students additional practice with data analysis, and expressing themselves with clarity and logic. The required AP Exam at the end of the course may lead to college credit.

Physics - CP **324100CW**

Grades: 11, 12
Prerequisite: C average in Intermediate Algebra or Algebra 1, Physical Science CP, or Biology CP
Physics CP is designed to provide students with a clear and logical understanding of the concepts and principles of Physics and prepare them to use Physics in their lives. To meet this objective, emphasis is placed on applications of Physics concepts and principles through hands-on learning experiences in the laboratory. The course also provides students with problem-solving methodology on a continuous basis to re-emphasize concepts. Major topics covered include: forces, motion, energy, momentum, waves and electricity. CP Physics is a science elective intended for students going to either a four year or two-year institution of higher education, but Physics Honors is more appropriate for students seeking further education in an engineering or STEM major.

Physics - H **324100HW**

Grades: 11, 12

Prerequisite: C or better in Algebra 2 H, Biology H and/or Chemistry H or an A in the CP levels of these same courses

Honors Physics is designed to provide students with a clear and logical understanding of the concepts and principles of physics. Secondly, the course is designed to strengthen students' understanding through applications to the real world. To meet these objectives, the emphasis is on sound reasoning capabilities and problem-solving methodology. The mathematical techniques include Algebra, Geometry, and Trigonometry. The laboratory experience is essential to learning and understanding physics and will play an important role. Major topics covered include forces, motion, energy, momentum, waves, optics, and electricity.

Physics 1 – AP **328200AW**

Grades: 10, 11, 12

Prerequisites: C or better in Algebra 2 H, Biology H and/or Chemistry H or an A in the CP levels of these same courses

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore these topics: kinematics; dynamics; circular motion and gravitation; energy; momentum; simple harmonic motion; torque and rotational motion; electric charge and electric force; DC circuits; and mechanical waves and sound (from the College Board).

Biology 2 - H **322200HW**

Grade: 12

Prerequisite: C or better in Biology 1 H and C or better in Chemistry 1 H; or B in the CP levels of these same courses

This course is designed for the student with an interest in biology, particularly in the medical field. It will prepare students for a college level biology course. Biology 2 includes an extensive study of molecular biology and genetics. Laboratory work and projects are an integral part of the course.

Biology - Pre-AP Honors/AP **329910HW, 327220AW**

Grades: 11, 12

Prerequisite: B in Biology 1 H and Chemistry 1 H or an A in the CP levels of these same courses and teacher recommendation

Pre AP and AP must be taken in consecutive semesters.

This course is modeled after a college-level biology course. This course includes an in-depth study of cell biology, genetics, animal physiology, botany, and ecology. Journal readings and extensive laboratories are incorporated within the curriculum. The required AP Exam at the end of the course may lead to college credit. The course is recommended for science majors and other students very interested in life science.

Environmental Science - CP **326100CW, 326133CW**

Grades: 11, 12

Prerequisite: Successful completion of Biology 1 CP

This course combines concepts from biology and chemistry to learn about the interaction between humans and the environment. Students explore and apply ecological concepts to environmental issues. This class consists of lab work, field studies, and school environmental projects. Students research current environmental issues so that they can form educated opinions in order to debate with their peers.

Environmental Science - AP **327700AW**
Grades: 11, 12
Prerequisite: Biology 1 CP, Chemistry 1 CP, Algebra 2 CP
This course is designed to be the equivalent of a one-semester introductory college course in environmental science. It is an interdisciplinary course that encompasses biology, chemistry, geology, earth science, and geography. Students will be expected to master much of the content outside of class, so ample class time is allowed for labs. Students will study the scientific principles, concepts and methodologies necessary to understand the complex relationships of the natural world, identification and analysis of environmental problems, evaluation of the relative risks associated with these problems and the examination of alternate solutions for resolving or preventing these problems.

Earth Science - CP **326500CW**
Grade: 12
Prerequisite: Biology 1, Chemistry 1
This course provides students with a basic knowledge of the natural world that will serve as the foundation for more advanced secondary and postsecondary courses and will also give them the science skills necessary for earth science-oriented science careers. All Earth Science courses are laboratory courses (30% lab).

Marine Science - CP **322500CW**
Grades: 11, 12
Prerequisite: Biology 1 CP
Through laboratory activities and simulations, exciting field experiences, and integrated graphic lectures students will be exposed to the wide range of topics that are related to the marine environment. Such topics that will be covered include: marine geology; sea-floor spreading and plate tectonics: chemistry of oceans; tides, waves, oceanic circulation and currents; the ecology of pelagic and benthic organisms, including those from rocky coasts, unconsolidated shores, and coral reefs: island biology; benthic plants and phytoplankton; zooplankton and nekton; marine invertebrates, fishes, reptiles, birds and mammals; marine productivity and fisheries; marine pollution and conservation. Laboratory and field work focus on the diverse marine ecosystem of the South Carolina coastline.

Forensic Science – CP **324500CW**
Grades: 11, 12
Prerequisite: Biology 1
Forensic Science is a multidisciplinary course that includes concepts of chemistry, anatomy, genetics, physics, medicine, mathematics, psychology, communications and law, in order to help solve crimes. This class will involve labs, case studies and projects. Students enrolled in this course will learn to utilize complex problem-solving skills using numerical data, evidence, uncertainty and logical reasoning. This course will cover the topics of search and seizure, processing crime scenes, fingerprints, hair and fiber analysis, impressions, serology and DNA, blood spatter, toxicology, firearms and explosives, osteology and autopsy, and photography.

SOCIAL STUDIES COURSES

Human Geography - CP **330700CW**

Grade: 9, 10, 11, 12

Prerequisite: Strongly recommended for all 9th graders

In Human Geography CP emphasis is placed on providing the student with an understanding of the major world regions and their relationship with the US. The course follows the guidelines established by the National Geography Standards. The first segment will focus on map skills, internal and external global forces, the earth's structure, climate patterns and population patterns. The remaining portion of the course will involve exploring the political, cultural and physical make-up of each of the world's major regions including North America, South America, Asia, Europe, Middle East, Africa and Australia. The ultimate goal is to stimulate interest in world events while fostering an attitude of tolerance.

Human Geography - H **330700HW**

Grade: 9

Prerequisite: Teacher recommendation

This course provides academically talented students an opportunity to experience a more in-depth survey of Human Geography. This course emphasizes the study of the five themes of geography through research and analysis of the modern world. Students will study the physical, economic, political, social and environmental factors that shape our world today. The students will examine the world by looking at current events and global trends through the use of primary and secondary source documents, multimedia, essay writing, debates, and other assigned projects.

Human Geography - AP **337900AW**

Grade: 9

Prerequisite: "A" average in English 1 and Social Studies in 8th grade, teacher recommendation OR students must have the highest rating on their most recent SC Ready reading score (or equivalent from another state).

AP Human Geography presents high school students with the curricular equivalent of an introductory college-level course in human geography. Content is presented thematically rather than regionally and is organized around the discipline's main subfields: economic geography, cultural geography, political geography, and urban geography. The approach is spatial and problem oriented. Case studies are drawn from all world regions, with an emphasis on understanding the world in which we live today. Historical information serves to enrich analysis of the impacts of phenomena such as globalization, colonialism, and human-environment relationships on places, regions, cultural landscapes, and patterns of interaction.

Modern World History - CP **330600CW**

Grades: 10, 11, 12

Prerequisite: Strongly recommended for all 10th graders

Modern World History CP involves the study of major civilizations of the past and their contributions to the world as it exists today. Students will analyze why, when and where civilizations developed, declined and influenced culture in the modern world.

Modern World History – Honors **330600HW**

Grades: 10, 11, 12

Prerequisite: C or higher in previous social studies course

Modern World History Honors is a comprehensive study of world history and human interaction from the Roman Empire through the problems of the present day. The course includes the development and evolution of politics, economics, and cultures in the emergence of the modern world. Students will be expected to read supplemental literary selections and to engage in critical analysis of primary sources and cultural comparisons. There is a strong analytical writing component and research skills are expected. This is a required course for students who plan to take AP European History.

European History – Pre-AP H/AP **336900HW, 337600AW**

Grades: 10

Prerequisite: Requirements set by Social Studies Department. Pre-AP and AP European History must be taken in consecutive semesters

This course provides an opportunity for academically talented students to experience a survey history course taught at a college level. The study of European history since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which we live. The students will examine the interpretation of historical events and trends, through the use of documents, essay writing, and special projects. Students are expected to understand the themes of European history, to develop historical thinking skills and be able to express this understanding in writing. This is a college level and not a college preparatory course. Success on the AP exam may render college credit.

United States History - CP **332001CW**

Grade: 11

This course provides a general survey of the major political, diplomatic, economic, and social developments in the United States since the settlement of North America. Current events in domestic and foreign policy are developed within the context of the American experience. This course emphasizes the use of historical documents and developing the analytical writing skills that are needed for college level work. U.S. History is required by the state for graduation. **Students are required to take the state End-of-Course exam. This exam counts 20 percent of the student's final grade.**

United States History – H **332000HW**

Grade 11

Prerequisite: B or higher World Geography Honors or World History Honors

United States History and Constitution is a semester-long course in which students will study the major people, places, events, and ideas in United States History as well as the organization and function of our government and Constitution. The course is designed to give students an understanding of the historical events that have shaped the nation and the ideas and people behind them. **This course is also designed to give students the necessary information and skills to be successful on the South Carolina End of Course Examination that will be given upon completion of the course. This exam is worth 20% of the student's overall grade for the year in the course.** The Honors level course will involve a more in depth and writing intensive study of American History. Students will be expected to read and analyze primary and secondary sources, utilize research and writing skills to complete projects, use historical thinking skills to evaluate evidence relating to various events in history and be able to communicate thoughts and opinions well with fellow classmates and the teacher.

United States History - Pre-AP H/AP **339910HW, 337220AW**

Grade: 11

Prerequisite: Requirements set by Social Studies Department. Pre-AP and AP must be taken in consecutive semesters.

This course provides an opportunity for academically talented students to experience a survey history course taught at a college level. An examination of political, social, economic, cultural, and foreign policy trends in America's development is emphasized. The students will examine the interpretation of historical events and trends, through the use of documents, essay writing, and special projects. This is a college level and not a college preparatory course. Success on the AP exam may render college credit. **Students are also required to take an End-of-Course exam provided by the SC Department of Education. This exam counts 20 percent of the student's final grade.**

United States Government/Economics and Personal Finance- CP **333000CH and 330800CH**

Grade: 12

Students will take U.S. Government for 9 weeks and Economics for 9 weeks. Students will earn .5 credit for each.

Government/Economics deals with the unique relationship between a democratic government and a capitalist economic system. Federal, state and local governments are closely examined to determine how our federal system works in the United States. Strong emphasis is placed on South Carolina government and the local government in York County. Economics takes an in-depth look into the workings of the capitalist system that is used in the United States. Supply and demand, labor, taxation, money and banking, the Federal Reserve: Investments and the markets, unemployment and inflation, and international trade are units that are covered extensively. A thorough understanding of the relationship between government and economics is conducted through each unit of study.

United States Government/Economics and Personal Finance- H **333000HH and 330800HH**

*Grade***:** 12

Students will take U.S. Government for 9 weeks and Economics for 9 weeks. Students will earn .5 credit for each.

Prerequisite: B or higher in U.S. History Honors or U.S. History AP

Honors Government and Economics is a semester-long course which satisfies the state graduation requirement as well as serving as a platform for college bound students. It also is the pre-requisite for students wishing to move on to AP Economics and/or AP Government. The Government portion of this course is designed to give students an understanding of the foundations of the Federal Government, individual rights, political participation, and the structure and function of the three branches of government. The Economics portion of this course is designed to give students an understanding of different Economic systems, supply, demand, pricing, and market structures. The Honors level course will involve a more in-depth and rigorous study of both subjects, preparing the students for higher level learning. Students will be expected to read and analyze political primary and secondary sources as well as create and interpret Economic graphs and charts. Students will learn higher level problem solving, critical thinking, and analytic skills in this course.

United States Government – AP **337300AW**
Grade: 12
Prerequisite: Successful completion of U.S. Government/Economics Honors
AP United States Government and Politics is a one semester class taught as a college-level introduction to key political concepts, ideas, institutions, policies, interactions, roles and behaviors that characterize the constitutional system and political culture of the United States. Students will read and analyze U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions between political institutions and behavior. They will read and interpret data, develop evidence-based arguments and engage in an applied civics or politics research-based project.

Macroeconomics - AP **337400AW**
Grade: 12
Prerequisite: Government/Economics Honors successfully completed in first semester
AP Macroeconomics is a one-semester course offered during second semester. The course focuses on a college level study of Macroeconomic concepts, including international trade, currency exchange, production possibilities and trade-offs, supply and demand, measures of economic performance, the circular flow of goods and services, fiscal and monetary policy, money and banking, productivity and unemployment, budget deficits and inflation, and the supply/demand side economic policies. Students will have the opportunity to obtain possible college credit for Macroeconomics by passing the AP exam. Students will also have the opportunity to obtain possible college credit for Microeconomics if the student chooses to take and passes the Microeconomics AP exam.

Criminal Justice - CP **339991CW**
Grades: 11, 12
Criminal Justice CP is the study of criminal law with an emphasis on the study of police, courts and the prison system. Criminal Justice CP involves the in-depth examination of people, institutions and important societal issues.

Psychology - CP **334000CW**
Grades: 11, 12
This course is designed for the college bound student. The students are introduced to a variety of topics including the study of the physiological foundations of behavior, learning, motivation, emotions, perception, human development, personality and abnormal behavior. Projects and readings are required.

Psychology - AP **437100AW**
Grades: 11, 12
Prerequisite: Teacher Recommendation, honors level English or Social Studies recommended
Advanced Placement Psychology is a general overview of the field of psychology. This rigorous college level course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each major subfield within psychology. Students also learn about the ethics and methods psychologists use in their science and practice. Success on the AP exam may render college credit.

Law Education **333600CW**

Grades: 10, 11, 12

This is a course in general law. The emphasis is on application and understanding of basic criminal and civil law including juvenile justice and individual rights. Active involvement in group activities, discussions, mock trials and class participation is required.

Sociology - CP **334500CW**

Grades: 10, 11, 12

This course is designed for the college bound student. The students will examine the interaction of social groups within various societies. Group projects, open forum discussions, and scientific research are utilized in studying social issues and problems. Students will apply their sociological skills to understand current social issues. There are required readings and writing assignments.

The History of Sport **339940CW**

Grades: 11, 12

The History of Sport will analyze the development and impact of sport(s) in America. Students will interpret research-based texts about the historical origins and development of sports in America as well as worldwide, political, social, cultural, economic, and intellectual concepts through the history of sport. Students will understand why and how sports have become a popular cultural phenomenon and be able to develop products that will exhibit higher cognitive levels in the process. Students will also learn a greater appreciation for the issues that have affected sports such as gender, discrimination, race, bias, and class economics and develop an awareness of these implications in their own lives. Last, students will also be able to communicate the influence that commercialization has within and outside the sports world.

Mock Trial - CP **339920CW**

Grades: 10, 11, 12

The Mock Trial course includes the fundamentals of arguing a case in a court of law. Students will learn how to present evidence to a jury by following rules of evidence and trial procedures as a real lawyer would in a South Carolina courtroom. Students will have the opportunity to perform the roles of witness and attorney. This course also serves as a companion to the Mock Trial Team (students in the course are not required to join the Mock Trial team), and will use the case materials from this as the primary text.

Model United Nations/Debate – H **339930HW**

Grade: 11, 12

Prerequisite: Teacher Recommendation

This course is designed around the structure and purpose of the United Nations. It provides the student an opportunity to debate global issues from the perspective of another nation. The course introduces the students to research, writing resolutions, debating skills, global issues, and the rules of procedure used at the UN.

Dual Credit Courses

FMSD offers Dual Credit American Criminal Justice System and Dual Credit Introduction to Sociology through University of South Carolina Lancaster. See page 85 for more information.

ARTS AND HUMANITIES ELECTIVES:
Visual Arts

Art: Drawing 1 - CP **352100CW**
Grades: 9, 10, 11, 12
Students are introduced to new drawing skills; they will also improve and supplement existing drawing skills. They will practice techniques that reinforce the elements and principles of design using a variety of drawing media. Historical art periods, artists and styles will be incorporated into the studio projects. The students will begin sorting and building portfolios of their work.

Art: Drawing 2 - CP **352200CW**
Grades: 10, 11, 12
Prerequisite: Drawing 1
Advanced drawing students who exhibit initiative and creativity will improve drawing skills and develop originality through both actual and conceptual subject matter using a variety of drawing media. Historical art periods, artists and styles will be incorporated into the studio projects. Portfolio building will be continued.

Art: Painting 1 - CP **352500CW**
Grades: 10, 11, 12
Prerequisite: Drawing 1
Beginning painting students will learn basic painting techniques and explore color theory using tempera, watercolor, and acrylics. Historical art periods, artists and styles will be incorporated into the studio projects.

Art: Painting 2 - CP **352600CW**
Grades: 10, 11, 12
Prerequisite: Drawing 1 and Painting 1
Advanced painting students who exhibit initiative and creativity will sharpen painting skills by working with more complex subject matter and advanced color theory. Historical periods, artists and styles will be incorporated into projects. Experimentation and portfolio building are emphasized.

Art: Ceramics 1 - CP **456100CW**
Grades: 9, 10, 11, 12
This course is an introductory studio art course in the area of three-dimensional design of ceramics. Students will not only be introduced to the properties of clay, but will study ceramic history, develop a ceramics vocabulary and will produce work using techniques such as slab, coil and pinch. In addition, they will study sculpting and glazing techniques, thus producing numerous clay projects.

Art: Ceramics 2 - CP **456200CW**
Grades: 10, 11, 12
Prerequisite: Ceramics 1
This course is designed to provide students with more advanced techniques in Ceramics such as thrown and altered forms, slip casting, glaze chemistry, alternative firing processes, and advanced hand-building. Students will continue to develop their skills and knowledge in the history of ceramic arts, art aesthetics, and art criticism.

Art: Ceramics 3 – CP **456300CW**
Grades: 11, 12 *Prerequisites*: Ceramics 2
Ceramics 3 is designed to allow students to continue immersion in advanced processes in clay. The focus is on the development of a personal aesthetic and artistic style through teacher facilitated research and hands-on production of ceramics pieces. Students will maintain an investigation journal in ceramics building techniques, history, and the glaze and firing process.

Art: 3-D Design 1 /Sculpture - CP **350500CW**
Grades: 10, 11, 12 *Prerequisite*: Drawing 1 or Ceramics 1
Students will explore three dimensions in a variety of materials. Historical art periods, artists and styles will be incorporated into the studio projects. Sculpting techniques based on historical styles and artists will be practiced.

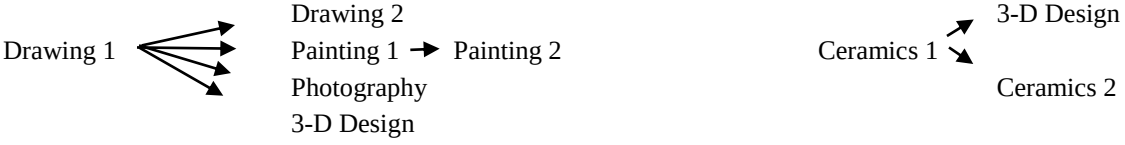
Art: Photography - CP **456600CW**
Grades: 10, 11, 12 *Prerequisite*: Drawing 1 or Portfolio Review
Photography is a course designed to teach students the basics of correct camera use, photo alteration, and experimental uses of the digital camera with the computer software. The class will explore these basics with a carefully thought out program of appropriate assignments, the keeping of a photo journal and written assignments.

Portfolio Art 4 - H **350420HW**
Grades: 11, 12 *Prerequisite*: 3 prior Art Courses, Teacher Recommendation, Portfolio Review
This honors art course is designed for 4th level advanced art students and prospective Advanced Placement Studio Art students. Students will build a portfolio of excellent art work to be presented for scholarship, college entrance, and for Advanced Placement studio art. Focus areas will be: research, critique, developing artistic style, advancing proficiency with a variety of 2 and 3-dimensional media, art display, and competition.

Studio Art - AP - 2D Design, Drawing, or 3D Design **357400AW, 357200AW, 357500AW**
Grades: 11,12 *Prerequisite*: Portfolio Art - H must be taken the semester prior to first AP Studio Art
The advanced, serious, self-motivated students will demonstrate creativity, expressiveness, and initiative through a study of AP curriculum in studio art. The students will compile a portfolio to be judged by the College Board for credit. Students may take any of the AP choices.

Art History - AP **357100AW**
Grades: 10, 11, 12 Prerequisite: It is strongly recommended that a student be enrolled in an AP History or AP Fine Arts course and have recommendation from a teacher.
AP Art History is designed to be the equivalent of a two-semester introductory college or university art history survey course. The AP Art History course explores such topics as the nature of art, its uses, its meanings, art making, and responses to art. Through investigation of diverse artistic traditions of cultures and prehistory to the present, the course fosters in-depth and holistic understanding of the history of art from a global perspective. Students learn and apply skills of visual, contextual, and comparative analysis to engage with a variety of art forms, constructing understanding of individual works and interconnections of art-making processes and products throughout history.

Flow Chart for Visual Arts Classes



Senior Classes (taken after 3 previous art classes are successfully completed):
Portfolio - Fall Semester Senior Year; **AP Studio Art** - Spring Semester Senior Year

ARTS AND HUMANITIES ELECTIVES: *Performing Arts*

*(Note: **Band is a year-long course**. Freshmen and sophomore band students are required to take band both semesters. It is understood that juniors and seniors may encounter scheduling conflicts, in which case the director and school administration will review these conflicts on an individual basis. The option for taking one semester of band to resolve a scheduling conflict will be considered with preference for students taking spring band.)*

Band 1, 2, 3, 4, 5, 7 - CP **(course numbers in table below)**
Grades: 9, 10, 11, 12
Prerequisite: Audition by the instructors
Marching Band 1-8 is a progression of courses in instrumental music. This includes marching band and wind symphony. It allows students who play instruments, the performance opportunity of marching. Students will attend summer rehearsals, band camp and other rehearsals as scheduled. Much emphasis is placed on rehearsals and contests as an extension of the class requirement.

Band 6 Honors and Band 8 Honors **(course numbers in table below)**
Grades: 11, 12
Prerequisite: Audition by instructors
This course is a performing band for students in grades 11 and 12 only at a first year college level of proficiency. This course provides performance opportunities and requirements at the college level. Much emphasis is placed on rehearsals, concerts, and competitions during and after school days as an extension of the class requirement. Students must participate in small ensembles, solos, concerts, festivals, all-region bands, and all-state bands. Student must select a topic and complete a music history portfolio approved by the instructor. Students must have their own instruments or contract with the individual high school for a school instrument if one is available. These classes meet all of the requirements set forth by the state department of South Carolina for honors courses.

Marching Band with Physical Education Standards - CP **45C000CW**
*Grades***:** 9,10,11,12
*Prerequisite***:** Auditions by the instructors
Marching Band (with physical education waiver option) is a course that will incorporate the Physical Education standards into the Marching Band curriculum. In addition to all marching band course requirements, students in this course will have to complete a pre and post Fitness gram (or equivalent), a Personal Fitness Plan (PFP), and additional course work aligned to the SC Physical Education Standards to be eligible to receive the Physical Education Credit.

Grade	Fall	Spring
9th	Band 1 - Band PE 45C000CW or 353100CW	Band 2 (Wind Symphony 1) – 353200CW
10th	Band 3 – 353300CW	Band 4 (Wind Symphony 2) – 353400CW
11th	Band 5 – 353500CW	Band 6 (Wind Symphony 3) –353600HW
12th	Band 7 – 357800CW	Band 8 (Wind Symphony 4)– 357900HW

ARTS AND HUMANITIES ELECTIVES: Performing Arts (cont.)

Guitar 1 **356700CW**

Grades: 9, 10, 11, 12

This course is designed to accommodate the beginner or intermediate guitarist. Students will learn to read music and play both traditional and popular styles, as well as basic care of the instrument (tuning, cleaning, proper storage, etc.). Students will play in class daily and will learn exercises, scales, arpeggios, chords, and songs in order to build technique and expand their repertoire. Students will also learn music theory and history and apply that knowledge in performance situations. Each student must provide his or her instrument and materials such as strings and picks.

Guitar 2 **458000CW**

Grades: 9, 10, 11, 12

Prerequisite: Guitar 1 or audition

This course is designed to increase each student's technical ability, skill and knowledge of the guitar. Students will primarily learn to play songs (in a variety of styles including, but not limited to, jazz standards and popular music) in a variety of settings including solos, small ensembles and as a class. As students learn to play these songs they will learn chords, scales, arpeggios, sight-reading, music theory and history, musicality and professionalism.

Choral Music **353900CW**

Grades: 9, 10

Choral music introduces the fundamentals of vocal music, sight-reading, and music appreciation. A variety of musical literature will be studied and performed.

Chorus 1, 2, 3, 4, 5H, 6, and Chorus Rehearsal H **(course numbers in table below)**

Grades: 9, 10, 11, 12

Chorus 5 and Chorus Rehearsal are Honors Courses

Prerequisite: Choral Music and audition

These courses are for the more advanced choral student. They are performance oriented with solo and ensemble opportunities available. Along with the music, there is an extensive study in sight-reading music. Students are required to participate in all concerts and choral competitions.

Grade	Fall	Spring
9th	Choral Music 353900CW	Chorus 1 (Concert) 354100CW
10th	Chorus 2 (Concert) 354200CW	Chorus 3 (Concert) 354300CW
11th	Chorus 4 (Concert) 354400CW	Chorus 5 (Concert) 354500HW
12th	Chorus 6 (Concert) 354600CW	Chorus Rehearsal 354000HW

AP Music Theory **357600AW**

Grades: 10, 11, 12

Prerequisite: Basic Performance skills along with music reading skills are expected but not required

AP Music Theory is designed to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score.

Theatre 1 - CP **452100CW**

Grades: 9, 10, 11, 12

This course introduces the fundamentals of theatre, combining traditional acting with technical theatre. Students will learn improvisation, pantomime, voice and diction, acting, and production. Daily class participation is a requirement for success in this course.

Theatre 2 - CP **452200CW**

Grades: 10, 11, 12

Prerequisite: Theatre 1 and teacher recommendation

This class is for the more advanced drama student. For the student who plans to major or minor in drama, this course will provide specialized instruction. Emphasis will be placed on acting and the technical aspects of theater, such as lighting, sound, set design, costumes, make-up, etc.

Theatre 3 - Directing and Acting - CP **452300CW**

Grades: 11, 12

Prerequisite: C average in Theatre 2

Theatre 3 will provide the student with a more complete experience in drama. Students will be exposed to directing and acting experiences in both stage and film providing the student with a wider range of career options. Participation in school productions will be required.

Theatre 4 - Production - CP **452400CW**

Grades: 11, 12

Prerequisite: C average in Theatre 3

This course will enable students to complete a four-year program in drama that will effectively prepare them for a number of careers in the arts. Students will have had exposure to and experience with all aspects regarding production work and basic costume construction.

Dance 1 - CP **450110CW**

Grades: 9, 10, 11, 12

This is the first class in the dance major and no previous dance experience is necessary. Familiar dances such as shag, swing, waltz, as well as unfamiliar dances from other countries will be studied. There is not a performance requirement for this introductory class. Grades will be determined by class participation as well as class projects and tests. Students will be required to dance every day and will be required to dress out as necessary.

Dance 2 - Technique - CP **450200CW**

Grades: 9, 10, 11, 12

Prerequisite: Dance 1

This class focuses on the history and technique of ballet, modern, jazz, and tap. Students will be required to dress out and participate daily. A dance recital at the end of the semester is required for the final exam. Dance 2 students are graded on class participation, tests, and projects. Students with previous dance experience may submit a teacher recommendation to pass Dance 1 and begin with Dance 2.

Dance 3 - Choreography - CP **450300CW**
Grades: 9, 10, 11, 12
Prerequisite: Dance 2
Students in this advanced Dance 3 will study ballet, modern, jazz, and technique and history. Students will also study improvisation and choreography. Students will be required to dress out, participate every day, and keep a journal. The focus of this class is for students to learn how to create and perform their own movements. Students will be required to perform in a dance recital at the end of the semester in which their work will be displayed. Dance students are graded on performance, class participation, choreography projects, and tests.

Dance 4 - Performance - H **450400HW**
Grades: 9, 10, 11, 12
Prerequisite: Recommendation of teacher or audition ONLY.
These students have already completed technique (Dance 2) and choreography (Dance 3) classes. Students are required to learn a variety of dances and be able to perform in a short amount of rehearsal time. This class will perform within the community. They must be able to represent the Fort Mill School District in a positive way and relay their dance knowledge to younger students in the Fort Mill community.

Dual Credit Courses
FMSD offers Dual Credit Fundamentals of Acting and Dual Credit Understanding and Appreciation of Theatre through University of South Carolina Lancaster. See page 85 for more information.

ARTS AND HUMANITIES ELECTIVES:
Audio-Visual Technology and Communications

Digital Art and Design 1 **612000CW**

Grades: 9, 10, 11, 12

This is an introductory class to the world of design. This class will apply a student's creativity in the production of projects/assignments for the design industry. Students will design logos, brochures, tee shirts, buttons, notepads, vinyl decals, business cards, promotional products, digital photography, posters, and/or advertisements with a focus on design principles. The subject matter will be taught by a hands-on approach. Students will have access to their own Mac computer workstation to prepare their art for output. Software will include Adobe Illustrator, Photoshop, and InDesign.

Digital Art and Design 2 **612100CW**

Grades: 10, 11, 12

Prerequisite: Digital Art and Design 1 or Graphic Communication 1

This second level class on the world of design will take students a step further. Students will begin producing some products for the school. This class will apply a student's creativity to produce projects/assignments for the design industry. Students will design logos, brochures, tee shirts, buttons, embroidery, vinyl decals, business cards, promotional products, digital photography, posters, and advertisements with a focus on design principles. Students will have the use of a Mac/PC workstation to prepare their art for output. Software will include Adobe Illustrator, Photoshop, InDesign, Design Shop, and Flexi.

Digital Art and Design 3 (CP or Dual Credit) **612200CW / 955600EW & 753500EW**

Grades: 10, 11, 12

Prerequisite: Digital Art and Design 2

Level Three is a Dual Credit course offered through partnerships with Winthrop University and York Technical College and will give students the opportunity to earn three hours of college credit. **Students will be required to pay Winthrop tuition for this course.** This class will apply a student's creativity to produce projects/assignments for the design industry. Students will design logos, brochures, tee shirts, buttons, embroidery, vinyl decals, business cards, promotional products, digital photography, posters, and advertisements with a focus on design principles. In this class students will produce products for the school and prepare for an internship in the design industry. During this class students will be expected to participate in two half day job shadowing experiences. Students will have the use of a student Mac/PC workstation to prepare their art for output. Software will include Adobe Illustrator (6 weeks), Photoshop (6 weeks), and InDesign (6 weeks).

Digital Art and Design 4 Honors **612300HW**

Grades: 12

Prerequisite: Digital Art and Design 3

The final level of Digital Art & Design, students will continue to build skills with a mentor in a professional setting. Students will be required to do an internship 4th Block off campus to apply the skills learned in previous levels of Digital Art and Design. At the end of the semester, the students will be required to attend and present at the DA&D Senior show. Students will provide their own transportation to the internship site where possible. Alternative options for students without transportation will be determined on an individual basis.

ARTS AND HUMANITIES ELECTIVES: Audio-Visual Technology and Communications (cont.)

Digital Art and Design 4 CP **612300CW**
Grades: 12
Prerequisite: Digital Art and Design 3
The final level of Digital Art & Design class, students will continue to build their skills. Students will be required to do an internship or work-based learning experience on campus to apply the skills learned in Digital Art and Design. Students will be expected to design and create product for the school or district (for example: banners, signage, logos, promotional products, advertisements, posters, and etc.). Upon completion, students will have the skills to enter the workplace or continue further education at the university level.

Graphic Communication 1, 2, 3, 4 - CP **620000CW, 620100CW**
Grades: 10, 11, 12 **620200CW, 620300CW**
Prerequisite: None for Graphics 1; Graphics 2, 3, 4 are sequential
This is an introduction to the world of printing. Students will learn the terminology used in the printing industry and gain a hands-on experience in prepress, printing and finishing equipment used in the printing industry. Students will have the opportunity to gain a hands-on experience in three of the major printing processes used in the industry: screen printing, offset lithography and flexography. Topics include design, typography, color, prepress software, computer operations, printing equipment operations, finishing operations, ink and substrates used in industry and working in a service-oriented industry.

Media Technology (TV) 1, 2, 3 - CP **612400CW, 612500CW, 612600CW**
Grades: 9, 10, 11, 12
These courses include the basic production techniques needed for creating a content across various platforms, including film, television, and social media. Through practical studio experience, students will explore camera techniques, sound engineering, lighting, writing, and editing as well as proper handling and use of equipment. These courses are also designed to give students the opportunity for hands-on experience both in front of and behind the camera and all aspects of a production environment. In the advanced courses, students will work together to cooperatively write, produce and present content for the student body and community as well as understand and develop marketing strategies to promote events and activities across all media platforms.

Media Technology (TV) 4 – (Honors or Dual Credit) **612705HW / 757400EW & 757500EW**
Grade: 12
Prerequisite: Media Technology 1, 2, 3
This capstone course is designed to provide students an introduction to the executive producer level of live television, filmmaking and videography including development, pre-production, production and post-production. The course covers higher level critical and problem-solving skills with an emphasis in digital production, managing a production team, delegating staff responsibilities, directing, post production and product marketing as well as creating a digital portfolio for college submission. Student will write, produce, direct, shoot and edit their own packages, oversee underclassmen packages and will be required to work with at least one outside client to produce a commercial, PSA or other video project (ex. Fort Mill School District Golf Tournament Video, Dancing with the Stars Promo Video, New District Elementary School line informational video) to client specifications and within client timeline. These works will be screened in a public venue.

ARTS AND HUMANITIES ELECTIVES:
Journalism

Journalism 1 (Introduction to Journalism) - CP **305000CW**

Grades: 9, 10, 11, 12

This course offers students an intensive exploration of the field of newspaper journalism. This study is designed to prepare students for work on the school's newspaper or yearbook. This class involves the study and application of topics such as the history of journalism, journalism law and ethics, newspaper style, and various forms of journalistic writing including the following: news, features, sports, opinion, briefs and reviews. Students also learn the fundamentals of layout and design, photojournalism, advertising and newspaper staff roles. Students may be required to sell ads and obtain patrons as well.

Journalism 2 Newspaper - CP **305101CW**

Grades: 10, 11, 12

Prerequisites: Recommendation of instructor and/or successful completion of Journalism 1

This CP-level course is designed for students who produce the school's newspaper. Students in this class will write journalistic articles in several of the following areas for publication: news, news-features, features, sports, editorials, column reviews and critiques. Students will also be responsible for taking photographs, designing pages, and selling advertisements, as well as using desktop publishing to produce the school's newspaper. Completion of assigned staff roles/duties and some participation after school are computed as part of the student's grade.

Journalism 2 Yearbook - CP **305102CW**

Grades: 10, 11, 12

Prerequisite: Journalism 1, Application/Interview Process, Recommendation of English teacher

This course offers one unit of credit to students who have completed Journalism 1 and have been approved by the sponsor. This course offers students an intensive exploration of the field of photojournalism. This study is designed to prepare students for work on the school's annual yearbook. This class involves the study and application of photojournalism through various forms of journalistic writing, photography, interviewing, and design including the following: features, sports, student life, academics, clubs and extracurriculars. Students may be required to sell ads and obtain patrons or sponsors as well.

Newspaper Production **376800CW**

Grades: 11, 12

Prerequisites: Journalism 1, 2

This CP-level course is for those students who as newspaper staff members have demonstrated talent and responsibility in leadership, writing, editing, and layout during Journalism 2. Newspaper Production 3 students will serve as mentors for less-experienced staff members and will be responsible for the entire content and layout of all newspaper editions. These students must be proficient in the use of computer technology as well as in desktop publishing. Completion of assigned staff roles/duties and some participation after school are computed as part of the students' grades. Staff members may be required to sell ads and obtain patrons or sponsors.

ARTS AND HUMANITIES ELECTIVES:
Journalism

Yearbook Production **376900CW**
Grades: 11, 12
Prerequisites: Journalism 1, 2
Students will learn advanced yearbook layout and design, advertising and staff roles. These students will work with detailed layout and the use of computer technology while overseeing other staff members in producing the yearbook. Students may be required to sell ads and obtain patrons as well. These students have increased responsibility in managing spreads, design and layout, photo editing, story and caption editing, and overall production. These students are entrusted with access to all pages, sales, and ads.

Journalism Editor 4 - Yearbook or Newspaper **309902CW**
Grades: 11, 12
Prerequisites: Introduction to Journalism, Journalism 2 Newspaper or Yearbook, and Newspaper or Yearbook Production
This CP-level course is limited to those students who are interested in pursuing a career in the field of journalism and have demonstrated leadership, talent, and responsibility in previous courses. Journalism Editor 4 students will serve as mentors for all staff members and be responsible for overseeing the entire operation of producing the school's newspaper or yearbook. These students must be able to lead staff meetings and help less-experienced staff members write and edit articles and design pages. Completion of assigned staff roles/duties and some participation after school are computed as part of the students' grades. Staff members may be required to sell ads and obtain patrons or sponsors.

Creative Writing 1 - CP **303200CW**
Grades: 10, 11, 12
Prerequisite: C average or above in English 1 or teacher recommendation
This CP-level course is aimed at developing the evaluative and creative writing talents of students who are interested in learning to write and evaluate poetry, essays, human interest stories, and short stories. Computer word processing skills are reinforced in the computer lab. Students will be involved in helping to produce the school's literary magazine.

Creative Writing 2 - CP **309901CW**
Grades: 10, 11, 12
Prerequisite: Creative Writing 1 and teacher recommendation
This college-preparatory level course furthers the creative writing, publishing and editing skills of selected students who will help produce the school's literary magazine.

ARTS AND HUMANITIES ELECTIVES: *International Studies*

French 1 - CP **361100CW**

Grades: 9, 10, 11, 12 *(This level is not recommended for heritage speakers. Heritage speakers will be evaluated for appropriate level placement.)*

This course is designed as an introduction to the French language and the Francophone cultures. Based upon the S.C. Standards for World Language Proficiency, all communicative skills will be emphasized: Interpersonal, Interpretive and Presentational. Students will be engaged daily in a variety of activities that promote critical thinking and will strengthen their ability to read, write, and speak French. Throughout the language-learning process, students will also improve their understanding of other cultures and benefit from comparing the language with their own.

French 2 – CP **361200CW**

Grades: 10, 11, 12

Prerequisite: French 1 and teacher recommendation

This course will build on and reinforce French 1. Based upon the S.C. Standards for World Lang. Proficiency, all communicative skills will continue to be emphasized: Interpersonal, Interpretive and Presentational. Students will continue to be engaged in a variety of activities that promote critical thinking and will strengthen their ability to read, write, and speak French. Throughout the language learning process, students will also continue to improve their understanding of and appreciation for other cultures.

French 3 - CP (NFHS) **361300CW**

Grades: 10, 11, 12

Prerequisite: French 2 and teacher recommendation

French 3 CP is designed for students who do not plan on continuing into French 4 H and 5 H. This course is designed to build on and reinforce French 1 and 2. Based upon the S. C. Standards for World Lang. Proficiency, all communicative skills will continue to be emphasized: Interpersonal, Interpretive and Presentational. Students will continue to be engaged in a variety of activities that promote critical thinking and will strengthen their ability to read, write, and speak French. Throughout the language-learning process, students will continue to improve their understanding of and appreciation for other cultures.

French 3 - H **361300HW**

Grades: 11, 12

Prerequisite: French 2 and teacher recommendation

This course expands on previously studied themes from French 1 and 2. Based upon the S. C. Standards for World Lang. Proficiency, all communicative skills will continue to be emphasized: Interpersonal, Interpretive and Presentational. Students will continue to be engaged in a variety of activities that promote critical thinking and will strengthen their ability to read, write, and speak French. Throughout the language-learning process, students will continue to improve their understanding of and appreciation for other cultures.

French 4 - H **361400HW**

Grades: 11, 12

Prerequisite: French 3 H and teacher recommendation

This course is designed to build on and reinforce French 1, 2, and 3. Based upon the S. C. Standards for World Lang. Proficiency, all communicative skills will continue to be emphasized: Interpersonal, Interpretive and Presentational. Students will continue to be engaged daily in a variety of activities that promote critical thinking and will strengthen their ability to read, write, and speak French. Throughout the

French - AP **367100AW**

Grades: 11, 12

Prerequisite: French 3 H and teacher recommendation

The AP French Language and Culture course takes a holistic approach to language proficiency and recognizes the complex interrelatedness of comprehension and comprehensibility, vocabulary usage, language control, communication strategies, and cultural awareness. Students should learn language structures in context and use them to convey meaning. The AP French Language and Culture course strives to promote both fluency and accuracy in language use and not to overemphasize grammatical accuracy at the expense of communication. In order to best facilitate the study of language and culture, the course is taught in the target language. The AP French Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts.

French 5 - H **361500HW**

Grade: 12

Prerequisite: French 4 H and teacher recommendation

The purpose of this course is to refine skills previously learned and to prepare students for advanced studies in French at the college level. Based upon the S. C. Standards for World Language Proficiency, all communicative skills will continue to be emphasized: Interpersonal, Interpretive and Presentational. Students will continue to be engaged daily in a variety of activities that promote critical thinking and will strengthen their ability to read, write, and speak French. Throughout the language-learning process, students will also continue to improve their understanding of and appreciation for other cultures.

Spanish 1 - CP **365100CW**

Grades: 9, 10, 11, 12 *(This level is not recommended for heritage speakers. Heritage speakers will be evaluated for appropriate level placement.)*

This course is designed as an introduction to the Spanish language and the Hispanic cultures.
Based upon the S. C. Standards for World Language Proficiency, all communicative skills will continue to be emphasized: Interpersonal, Interpretive and Presentational. Students will continue to be engaged daily in a variety of activities that promote critical thinking and will strengthen their ability to read, write, and speak Spanish. Throughout the language-learning process, students will also continue to improve their understanding of and appreciation for other cultures.

Spanish 2 - CP **365200CW**

Grades: 10, 11, 12

Prerequisite: Spanish 1 and teacher recommendation

This course is designed to build on and reinforce Spanish 1. Based upon the S. C. Standards for World Language Proficiency, all communicative skills will continue to be emphasized: Interpersonal, Interpretive and Presentational. Students will continue to be engaged daily in a variety of activities that promote critical thinking and will strengthen their ability to read, write, and speak Spanish. Throughout the language-learning process, students will also continue to improve their understanding of and appreciation for other cultures.

Spanish 3 - CP (NFHS) **365300CW**

Grades: 10, 11, 12 *Prerequisite*: Spanish 2 and teacher recommendation

Spanish 3 CP is designed to build on and reinforce Spanish 1 and 2. Based upon the S. C. Standards for World Language Proficiency, all communicative skills will continue to be emphasized: Interpersonal, Interpretive and Presentational. Students will continue to be engaged in a variety of activities that promote critical thinking and will strengthen their ability to read, write, and speak Spanish. Throughout the language-learning process, students will also continue to improve their understanding of and appreciation for other cultures.

Spanish 3 - H **365300HW**

Grades: 11, 12 *Prerequisite*: Spanish 2 and teacher recommendation.

This course expands on previously studied themes from Spanish 1 and 2. Based upon the S. C. Standards for World Language Proficiency, all communicative skills will continue to be emphasized: Interpersonal, Interpretive and Presentational. Students will continue to be engaged daily in a variety of activities that promote critical thinking and will strengthen their ability to read, write, and speak Spanish. Throughout the language-learning process, students will also continue to improve their understanding of and appreciation for other cultures.

Spanish 4 - H **365400HW**

Grades: 11, 12 *Prerequisite*: Spanish 3 H and teacher recommendation

This course expands on previously studied themes from Spanish 1, 2, and 3. Based upon the S. C. Standards for World Language Proficiency, all communicative skills will continue to be emphasized: Interpersonal, Interpretive and Presentational. Students will continue to be engaged daily in a variety of activities that promote critical thinking and will strengthen their ability to read, write, and speak Spanish. Throughout the language-learning process, students will also continue to improve their understanding of and appreciation for other cultures.

Spanish - AP **367500AW**

Grades: 11, 12 *Prerequisite*: Spanish 3 H and teacher recommendation

AP Spanish Language and Culture is a college-level course for students in the fourth semester of study. The course is conducted in Spanish and students are expected to communicate in Spanish at all times. Students have the opportunity to demonstrate proficiency by engaging in daily activities that require the three modes of communication (Interpersonal, Interpretive, and Presentational). The course is designed around six themes: Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, Beauty and Aesthetics. These themes provide a basis for an in-depth study of the Spanish language and its many cultures. Students will use a variety of authentic resources and materials to hone their speaking, listening, reading and writing skills. Students will take the AP Spanish Language and Culture exam at the end of this course.

Dual Credit Courses

FMSD offers multiple Dual Credit World Language Courses through the University of South Carolina Lancaster. See page 87 for more information.

BUSINESS AND INFORMATION SYSTEMS ELECTIVES:
Business Management and Administration

**Courses noted with an asterisk meet the SC Computer Science graduation requirement.*

***Web Page Design & Development - CP** **503100CW**
Grades: 10, 11, 12
Prerequisite: Completion of state required Computer Science graduation credit
Want to learn how to build eye-catching websites and beginner mobile applications from the ground up? Students will learn the fundamentals of HTML (Hypertext Markup Language), CSS (Cascading Style Sheets) and JavaScript. Students will plan, design, and implement web pages; enhance web pages using page layout techniques, text formatting, graphics, images, and multimedia; and produce a well-designed, multi-page website.

Entrepreneurship - CP **540000CW**
Grades: 10, 11, 12
Learn how to start and run your very own business. You will develop a foundation of knowledge for all parts of business planning, operations and management including: advertising, market research, resource management, business policies & procedures, financial management, inventory management, and communication skills. Be the owner of your own virtual store on a computerized simulation where you will learn to: define products and services, design a floor plan, perform market analysis, develop marketing strategies, create advertisements, and identify business goals.

Business Law - CP **504400CW**
Grades: 10, 11, 12
Business Law will help students make smart and informed decisions in the following areas: fundamentals of contracts, property rights, forms of ownership, workplace law, and civil law. Students will review case files and participate in a mock trial.

Virtual Enterprise 1, 2, 3, 4 - CP **515000CW, 515100CW**
Grades: 10, 11, 12 **515200CW, 515300CW**
Prerequisite: One of the following: Accounting 1, Marketing, or Entrepreneurship
Students are transformed into business executives and work in a "real world" corporate setting. In VE, students will: create a service/product to sell to other virtual enterprise programs. Develop a business plan to get start-up money for the business. Interview for positions within the company with actual business leaders. Work in specific departments, such as accounting, administration, human resources, sales, advertising, marketing, and information technology. Conduct market research. Prepare grand opening of business and trade fair show. Buy and sell from other virtual enterprises, both nationally and internationally.

BUSINESS AND INFORMATION SYSTEMS ELECTIVES:
Marketing

Marketing - CP **542100CW**

Grades: 10, 11, 12

What makes people buy a product? How do salespeople talk people into buying stuff? Learn how everything around us is affected by marketing decisions. Specific topics will include: sales strategies, pricing decisions, and marketing research; design choices (graphics, colors, lighting, etc.); promotional strategies (commercials, billboards, sponsorships, etc.); and product choices (packaging, store locations, ingredients, etc.). Students gain experience by: making marketing decisions for their own business; writing press releases and creating commercials/advertisements; and developing marketing solutions for "real world" situations/partnerships with local businesses.

Marketing Management - CP **543100CW**

Grades: 10, 11, 12

Prerequisite: Marketing

Be the boss and get to say "You're hired" or "You're fired!" Learn about leadership skills to help you climb the corporate ladder; laws protecting employers and employees and labor issues; human resource needs like employee interviews, training, and evaluations; and ethical behavior and the workplace. Students will complete activities such as: management decision making simulations; human resource department scenarios; a personal resume and job interview and job shadow experience.

Sports and Entertainment Management - CP **542600CW**

Grades: 11, 12

Prerequisite: Marketing

Want to be the boss? Love sports? Love movies, TV, or music? Get a job in these areas running the "business" side of things. Students will learn about: managing people and leadership positions in the sports or entertainment industry; finance and legal issues; dealing with management/player changes; box office and group sales; work with school and local businesses on event management projects; and have the chance to job shadow in the industry.

BUSINESS AND INFORMATION SYSTEMS ELECTIVES:
Accounting/Finance

Accounting 1 and 2 - CP **500100CW, 500500CW**

Grades: 10, 11, 12

Prerequisite: Successful completion of Accounting 1 is the prerequisite for Accounting 2

Accountants are the highly valued backbone of virtually every business entity. Their understanding of the organization's financial health helps business owners and company executives make crucial management decisions. Accounting is the specialized business language system used by accountants to produce the financial information that guides the business decision-making process. In Accounting 1, you will learn how to: classify and interpret financial data; create and analyze financial statements; utilize computerized accounting software; understand business ethics; and learn basic managerial accounting fluency. Accounting 2 expands upon Accounting 1's learning topics and adds these new topics: introductory cost accounting concepts; investment and financial analysis; cash flow analysis; depreciation; inventory controls; and budgeting.

Personal Finance - CP **513110CW**

Grades: 10, 11, 12

Do you know how to become a millionaire before you turn 30? This course will help you acquire the financial tools necessary to plot your financial pathway. You will learn how to manage and solve common financial problems and make your money work for you. Topics include: savings and budgeting; personal taxes; housing decisions; automobile decisions; educational decisions; loans; insurance needs; investments; and retirement planning.

BUSINESS AND INFORMATION SYSTEMS ELECTIVES:
Information Technology

**Courses noted with an asterisk meet the SC Computer Science graduation requirement*

***Fundamentals of Computing** **502300CW**

Grades: 9, 10, 11, 12

Fundamentals of Computing is designed to introduce students to the field of computer science through an exploration of engaging and accessible topics. Students will gain a fundamental understanding of the history and operation of computers, programming, and web design. Rather than focusing the entire course on learning particular software tools or programming languages, the course is designed to focus on the conceptual ideas of computing. The goal of Fundamentals of Computing is to develop problem solving and critical thinking skills and help students understand how computing tools are used to solve real-world problems. Students will also be introduced to computing careers and will examine societal and ethical issues of computing.

***Introduction to Computer Programming - CP** **505000CW**

Grades: 9, 10, 11, 12

Prerequisite: State required Computer Science course or C or better in Algebra 1

This is an introductory course in computer programming and application development. Students will learn to design, code, test, and debug computer programs while applying business and mathematical concepts using a programming language such as C++, Java, JavaScript, Python or Visual Basic. Topics include software development methodology, algorithms, data types, control structures, functions, and arrays. Independent problem solving and critical thinking skills are emphasized daily.

***Intermediate Computer Programming - CP** **505100CW**

Grades: 10, 11, 12

Prerequisite: Computer Programming 1 or AP Computer Science Principles

This course is designed to teach students advanced programming concepts through the development of computer video games. Concepts to be explored include classes and structures, multimedia programming, advanced arrays, and file structures. Critical thinking and problem-solving skills are reinforced through the continued use of Visual Basic and the C+ programming languages.

***Foundations of Animation Using Adobe Animate CC - CP** **535000CW**

Grades: 10, 11, 12

Prerequisite: Completion of state required Computer Science graduation credit

Do you want to learn how to use Adobe Animate CC to create animated cartoons, web page banner ads, fundamental animated sequences, and animated logos? This course introduces basic 2D animation concepts such as storyboard creation; basic drawing, frame-by-frame animation, tween animation, basic action script, and timeline animation. Want to become Adobe Certified? Students achieving a passing score on the "Multiplatform Animations Using Adobe Animate CC Certification Exam" earn coveted industry-standard certification while still in high school.

BUSINESS AND INFORMATION SYSTEMS ELECTIVES:
Information Technology

***Computer Science Principles - AP** **477500AW**

Grades: 10, 11, 12

Prerequisite: B or above in Algebra 1 or Computer Programming 1

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.

ENGINEERING AND INTEGRATED TECHNOLOGIES ELECTIVES: *Environmental and Natural Resources*

Agricultural Science and Technology - CP **562400CW**

Grades: 9, 10, 11, 12

Agricultural Science and Technology is designed to teach essential concepts and understanding related to plant and animal life including biotechnology, the conservation of natural resources, and the impact of agriculture and natural resource utilization on the environment. Emphasis is placed on the role of agriculture in our society and its importance to the welfare of the world. Typical learning activities include hands-on experience with performing basic principles of plant, soil, and animal science; studying and modeling the significance of humankind's interrelationship with soil, water, and air; and participating in FFA activities.

Environmental and Natural Resources Management - CP **562600CW**

Grades: 10, 11, 12

Prerequisite: Agricultural Science and Technology

The Environmental and Natural Resource Management course is designed to be the introductory course for the Environmental and Natural Resources pathway. The course is a combination of subject matter and planned learning experiences on the principles involved in the conservation and/or improvement of natural resources such as air, soil, water, land, forest, and wildlife for economic and recreational purposes. Instruction also emphasizes such factors as the establishment, management, and operation of land for recreational purposes. Typical learning activities include constructing a model watershed; identifying and/or measuring the levels of air, water, noise, and solid waste pollution in a selected site; hands-on experiences with site analysis; evaluation of competing interests; analysis of biological and physical aspects of the environment and environment-related issues including methods of abating and controlling pollution; participating in personal and community leadership development activities; planning and implementing a relevant school-to-work transition experience; and participating in FFA activities.

Wildlife Science - CP **567400CW**

Grades: 10, 11, 12

Prerequisite: Agricultural Science and Technology and Environmental and Natural Resource

The Wildlife Science course is designed to teach technical knowledge and skills for entry-level position in the conservation and/or management of wildlife enterprises. Typical instructional activities include hands-on experiences with food plot construction, analyzing aquatic plants and animals, classifying reptiles and amphibians, and raising game birds and/or fish. Participation in personal and community leadership development activities and planning and implementing a relevant supervised agricultural experience are requirements for this course. In addition, participating in Future Farmers of America (FFA) activities and competitions further enhance the coursework.

Outdoor Recreation - CP **560200CW**

Grades: 11, 12

Prerequisite: Agricultural Science, Environmental and Natural Resource Management, Wildlife Science

The Outdoor Recreation course is a combination of subject matter and planned learning experiences on the principles involved in outdoor safety, planning outdoor recreational activities, designing parks and special use areas, and outdoor recreational resources on public lands. Instruction also emphasizes such factors as the establishment, management, and operation of land for recreational purposes.

ENGINEERING AND INTEGRATED TECHNOLOGIES ELECTIVES:
Animal Science

Note: Animal Science courses are electives and do not meet the graduation requirement for "science."

Agricultural Science and Technology - CP **562400CW**
Grades: 9, 10, 11, 12
The course is designed to provide an introduction and is a prerequisite for all Agriculture classes which follow in the career pathway. The course is designed to teach essential concepts and understanding related to plant and animal life including biotechnology, the conservation of natural resources, and the impact of agriculture and natural resource utilization on the environment. Emphasis is placed on the role of agriculture in our society and the importance of agriculture to the welfare of the world. Typical learning activities include hands-on experiences with performing basic principles of plant, soil, and animal science; studying and modeling the significance of humankind's interrelationship with soil, water, and air; and participating in FFA activities.

Small Animal Care - CP **561200CW**
Grades: 10, 11, 12
Prerequisite: Agricultural Science and Technology
Small Animal Care is designed to teach technical knowledge and skills for occupations in the pet industry or the companion animal industry. Skills also relate to the veterinarian or veterinarian technician career field. Typical instructional activities include hands-on experiences with cats, dogs, rabbits, fish, etc. participating in personal and community leadership development activities; and planning a relevant Supervised Agricultural Experience (SAE); and opportunities for participating in FFA activities.

Animal Science - CP **560300CW**
Grades: 10, 11, 12
Prerequisite: Agricultural Science and Technology and Small Animal Care
Animal Science provides an overview of the animal science industry, including information on the biological make-up of various species of agricultural livestock. It also provides students with beneficial information on animal behavior before they decide to embark on a career in Animal Science. Animal Science is recommended as a prerequisite for other courses in Animal Science. Typical instructional activities include hands-on experiences with the principles and practices essential in the production and management of farm animals and farm animal products for economic, recreational, and therapeutic uses; participating in personal and community leadership development activities; planning and implementing a relevant school-to-work transition experience; and participating in FFA activities.

Equine Science - CP **567900CW**
Grades: 10-12
Prerequisite: Agricultural Science and Technology and Small Animal Care
Equine Science is a course designed to enhance the understanding of equine care and systems. Students will develop a deeper understanding of career opportunities, industry expectations, knowledge and skills related to the care and maintenance of horses, donkeys, and mules. In addition, students will learn about the various species and breeds of horses, and their body systems.

Introduction to Veterinary Science - H **561301HW**

Grades: 11, 12

Prerequisite: Agricultural Science and Technology, Small Animal Care, Animal Science or Equine Science, and Teacher Recommendation

In this advanced animal science course, students will explore the field of veterinary medicine. Students will study the role of a veterinarian and veterinary technician in the diagnosis and treatment of animal diseases. Topics to be discussed include: veterinary terminology, anatomy and physiology, pathology, genetics, handling and restraint, and physical examinations along with common surgical skills. Students will engage in a variety of laboratory activities and will participate in work based learning experiences. In addition to a portfolio, honor students will be required to conduct independent research on a selected small and large animal disease, write an extensive research document and present findings in a public venue.

ENGINEERING AND INTEGRATED TECHNOLOGIES ELECTIVES: *Horticulture*

Introduction to Horticulture – CP **565000CW**

Grades: 9, 10, 11, 12

Prerequisite: Agriculture Science and Technology CP

The Introduction to Horticulture course is designed to be an introduction to the Horticulture pathway. It is recommended as a prerequisite for all other horticulture courses. This course includes organized subject matter and practical experiences related to the culture of plants used principally for ornamental or aesthetic purposes. Instruction emphasizes knowledge and understanding of the importance of establishing, maintaining, and managing ornamental horticulture enterprises.

Typical instructional activities include hands-on experiences with propagating, growing, establishing, and maintaining nursery plants and greenhouse crops; tissue culture techniques; designing landscapes; preparing designs; sales analysis and management; participating in personal and community leadership development activities; planning and implementing a relevant school-to-work transition experience; and participating in FFA activities.

Nursery Greenhouse and Garden Center Technology – CP **567200CW**

Grades: 10, 11, 12

Prerequisite: – Introduction to Horticulture CP

The course in Nursery, Greenhouse and Garden Center Technology includes organized subject matter and practical experiences related to the operation and management of nursery, greenhouse or a garden center Instruction emphasizes knowledge and understanding of the importance of establishing, maintaining, and managing "green industry" enterprises.

Typical instructional activities include hands-on experiences with propagating, growing, establishing, and maintaining nursery plants and greenhouse crops; tissue culture techniques; designing landscapes; preparing designs; sales analysis and management; participating in personal and community leadership development activities; planning and implementing a relevant school-to-work transition experience; and participating in FFA activities.

ENGINEERING AND INTEGRATED TECHNOLOGIES ELECTIVES:
Horticulture Continued

Agribusiness and Marketing **560000CW**

Grades: 10, 11, 12

Prerequisite: Nursery Greenhouse and Garden Center Technology CP

The course in Agricultural Business Management is designed for the student who plans to seek employment on, manage, or own a farm; or seek employment in an agribusiness field. Students will be involved in learning activities that generally prepare him/her to apply the economic and business principles involved in the organization, operation, and management of the farm, ranch, or agribusiness.

Typical instructional activities include hands-on experiences with applying modern economic and business principles involved in the organization, operation, and management of agricultural businesses including the production and marketing of agricultural products and services; applying computer application models; participating in personal and community leadership development activities; planning and implementing a relevant school-to-work transition experience; and participating in FFA activities.

ENGINEERING AND INTEGRATED TECHNOLOGIES ELECTIVES:
Automotive Technology

Automotive Technology 1 - CP **603000CW**

Grades: 10, 11, 12 *(Placement preference will be given to students who have chosen and can complete the Auto Tech major.)*

This course is the first of four semester courses and will provide the foundation for the automotive major. Topics and labs include shop and personal safety as well as environmental concerns. Students will be introduced and trained in the proper use of hand tools, power tools, and lifts. This course will cover a basic introduction to the eight Automotive Service Excellence (ASE) skills which are Electrical and Electronic components, Steering/Suspension and Alignment, Brakes, Engine Performance, Engine Repair, Heating and Air Conditioning, Automatic Transmission and transaxles, and Manual Transmissions and Differentials. Students will be given the opportunity to change their own oil; check, balance and change their own tires as needed; and take apart and re-assemble a small engine. This class has a "hands-on" instruction ratio of 70% classroom to 30% hands-on labs. All competencies and components of this course comply with the National Automotive Technician Education Foundation (NATEF), Automotive Service Excellence (ASE), and the standards set forth by the State Department of Education. Safety glasses and proper dress are required in the lab at all times. A student must successfully pass a required safety course before entering the lab area.

Automotive Technology 2, 3 - CP **603100CW, 603200CW**

Grades: 10, 11, 12 *(Placement preference will be given to students who have chosen and can complete the Auto Tech major.)*

Prerequisite: C or better in Auto Tech 1 and teacher recommendation

Auto Tech 2 and 3 emphasize the advanced skills necessary in today's automotive field. Problem solving and advanced researching techniques will be used. Students will have the opportunity to work and perfect their skills. Hands-on experiences and classroom content instruction will be used at about a 50/50 ratio. Auto Tech 3 covers brakes, steering/suspension, and electrical. These courses will cover the eight Automotive Service Excellence (ASE) skills which are Electrical and Electronic Components, Steering/Suspension and Alignment, Brakes, Engine Performance, Engine Repair, Heating and Air Conditioning, Automatic Transmission and transaxles, and Manual Transmissions and Differentials. All competencies and components of this course comply with the National Automotive Technician Education Foundation (NATEF), Automotive Service Excellence (ASE), and the standards set forth by the State Department of Education. Safety glasses and proper dress are required in the lab at all times.

Automotive Technology 4 Honors (Work-Based Credit) **679000HW**

Grades: 11, 12

Prerequisite: B or better in Auto Tech 2 and 3, and teacher recommendation

Auto Tech 4 is the final course in the Automotive Technology major. This course is primarily work-based and places the student in a shop to work side-by-side with a certified technician. The student will attend their intern establishment each day. Student supplied safety glasses and proper dress are required in the lab at all times. Students will provide their own transportation to the internship site where possible. Alternative options for students without transportation will be determined on an individual basis.

ENGINEERING AND INTEGRATED TECHNOLOGIES ELECTIVES:
Project Lead the Way (PLTW)

**PLTW Principles of Engineering can be used to fulfill the Computer Science graduation requirement.*

Students who pass a PLTW course in this section (except* Engineering Design and Development) *AND meet the cut score determined by PLTW on the final exam will be given Dual Credit weighting for the course.

Project Lead the Way (PLTW) is a series of courses which introduces students to the scope, rigor and discipline of engineering and engineering technology prior to entering college. Introduction at this level will attract more students to engineering and will allow students, while still in high school, to determine if engineering is the career they desire. Students participating in PLTW courses are better prepared for college engineering programs and more likely to be successful thus reducing the attrition rate which currently exceeds 50% nationally in the college level programs.

Introduction to Engineering Design – CP or possible Dual Credit weighting for GPA 605100CW
Grades: 9, 10, 11, 12
Introduction to Engineering Design (IED) is an introductory course which develops student problem solving skills with emphasis placed on the development of three-dimensional solid models. Students will work from sketching simple geometric shapes to applying a solid modeling computer software package. They will learn a problem-solving design process and how it is used in industry to manufacture a product. The Computer Aided Design System (CAD) will also be used to analyze and evaluate the product design. The techniques and equipment are state of the art and are currently being used by engineers throughout the United States. Undergraduate credit may be earned through the College of Engineering and Computing at USC or the Rochester Institute of Technology. Specific course requirements must be met.

***Principles of Engineering - CP or possible Dual Credit weighting for GPA 605000CW**
Grades: 9, 10, 11, 12
Prerequisite: Algebra 1 or Intermediate Algebra
Principles of Engineering (PoE) is a foundation course in the PLTW Engineering curriculum. Through problems that engage and challenge, students explore a broad range of engineering topics including mechanisms, energy, the strength of structures and materials, automation and programming. Students will develop skills in design and problem-solving while learning collaboration and presentation. This course applies and concurrently develops secondary level knowledge and skills in mathematics, science and technology. Undergraduate credit may be earned through the College of Engineering and Computing at USC or the Rochester Institute of Technology. Specific course requirements must be met.

Digital Electronics – CP or possible Dual Credit weighting for GPA 605200CW
Grades: 10, 11, 12
Prerequisite: Algebra 1 or Intermediate Algebra and Principles of Engineering
Digital Electronics (DE) is a course of study in applied digital logic. Students will be introduced to digital circuits found in video games, watches, calculators, digital cameras, and thousands of other devices. Students will study the application of digital logic and how digital devices are used to control automated equipment. The use of digital circuitry is present in virtually all aspects of our lives and its use is increasing rapidly. Computer simulation software will be used to design and test digital circuitry prior to the actual construction of circuits and devices. Undergraduate credit may be earned through the College of Engineering and Computing at USC or the Rochester Institute of Technology. Specific course requirements must be met.

ENGINEERING AND INTEGRATED TECHNOLOGIES ELECTIVES: Project Lead the Way (cont.)

Computer Integrated Manufacturing – CP or possible Dual Credit weighting for GPA 605300CW
Grades: 10, 11, 12
Prerequisite: Any 2 of the 3 foundation PLTW courses **(**IED, POE, DE)
Computer Integrated Manufacturing (CIM) is a course that applies principles of robotics and automation. The course builds on computer solid modeling skills developed in Introduction to Engineering Design and Design and Drawing for Production. Students use CNC equipment to produce actual models of their three-dimensional designs. Fundamental concepts of robotics used in automated manufacturing and design analysis are included. Undergraduate credit may be earned through the College of Engineering and Computing at USC or the Rochester Institute of Technology. Specific course requirements must be met.

Civil Engineering and Architecture – CP or possible Dual Credit weighting for GPA 605800CW
Grades: 10, 11, 12
Prerequisite: Any 2 of the 3 foundation PLTW courses **(**IED, POE, DE)
Civil Engineering and Architecture (CEA) introduces students to the fundamental design and development aspects of architectural and civil engineering activities. Application and design principles will be used in conjunction with mathematical and scientific knowledge. Computer software programs will provide students with opportunities to design, simulate, and evaluate the construction of buildings and communities. During the planning and design phases, instructional emphasis will be placed on related transportation, water resource, and environmental issues. Undergraduate credit may be earned through the College of Engineering and Computing at USC or the Rochester Institute of Technology. Specific course requirements must be met.

Aerospace Engineering CP / possible Dual Credit weighting for GPA 605600CW
Grades: 10, 11, 12
Prerequisite: Any 2 of the 3 foundation PLTW courses **(**IED, POE, DE)
Aerospace Engineering (AE) explores the evolution of flight, navigation and control, flight fundamentals, aerospace materials, propulsion, space travel, and orbital mechanics. In addition, this course presents alternative applications for aerospace engineering concepts. Students analyze, design, and build aerospace systems. They apply knowledge gained throughout the course in a final presentation about the future of the industry and their professional goals. This course is designed for 10th, 11th or 12th grade students.

Environmental Sustainability - CP / possible Dual Credit weighting for GPA 637400CW
Grades: 10, 11, 12
Prerequisite: Completion of IED or POE
Environmental Sustainability (ES) is an interdisciplinary engineering course in which students investigate and design solutions to solve real-world challenges related to clean and abundant drinking water, food supply enhancement, and renewable energy. This course has the potential to bring together a diverse group of students with interests in biology, chemistry, and/or environmental studies, and it gives students the opportunity to lead their own learning, collaborate, and gain skills needed to communicate their creative solutions. In ES, students also gain insights into the future career opportunities that exist in the areas they are exploring.

Engineering Design and Development - CP 605400CW
Grades: 11, 12
Prerequisite: 3 prior PLTW courses and teacher recommendation
Engineering Design and Development (EDD) is an engineering research course in which students work in teams to research, design and construct a solution to an open-ended engineering problem. Students apply principles developed in the four preceding courses and are guided by a community mentor. They must present progress reports, submit a final written report and defend their solutions to a panel of outside reviewers at the end of the course. This course is considered to be the senior capstone course in the PLTW curriculum.

HEALTH AND HUMAN SERVICES ELECTIVES:
Early Childhood Education

Child Development 1 – CP **580000CW**
Grades 10, 11, 12
Child Development 1 focuses on the physical, social, emotional, and cognitive growth and development of children. Emphasis is placed on helping students acquire knowledge and skills essential to the care and guidance of children. Students learn to create environments that promote optimal development. Factors influencing a child's development from conception through childhood are explored. Opportunities for service and project-based learning are incorporated throughout the course. Integration of the Family and Consumer Sciences student organization, Family Careers, and Community Leaders of America (FCCLA), greatly enhances this curriculum.

Early Childhood Education 1 – CP **570000CW**
Grades 10, 11, 12
Prerequisites: Child Development 1 and teacher recommendation
Early Childhood Education 1 is designed to provide students with hands-on opportunities to actively explore and observe the world of children and prepare them for educational and administrative careers in the field. This course provides an in-depth study of career paths, developmentally appropriate practices, curriculum development, safe and healthy learning environments, and collaborative relationships. Integration of the Family and Consumer Sciences student organization, Family Careers, and Community Leaders of America (FCCLA), enhances this curriculum.

Early Childhood Education 2 – CP **570100CW**
Grades 11, 12
Prerequisites: "C" average Early Childhood Education 1, teacher recommendation
Early Childhood Education 2 is an advanced course focusing on the competencies needed to plan, guide, and care for young children in a safe, healthy, and developmentally appropriate environment. Students can acquire certification in pediatric safety, CPR, and first aid. Students interact with professionals in the field and participate in various school-to-work activities. Student laboratory/field experiences may be school based or in the community and include job shadowing and internships.

Education and Training Internship – CP **639000CW**
Grades 11, 12
Prerequisites: Child Development 1, ECE 1, "C" average in ECE 2, teacher recommendation
Continuation of work-based learning is provided through local schools and child development centers to provide a strong work-based learning experience. Employability skills are highly referenced and students are provided with guidance to prepare them for their college or career choice.

Teacher Cadet -Dual Credit Experiencing Education **373500EW**
Grade: 12 (for ECE Completers) **570500EW**
Prerequisite: Teacher Invitation and State Criteria
This course is taught in conjunction with Winthrop University and will give students the opportunity to earn three credit hours from the University (EDUC 175). Teacher Cadet is designed for students interested in learning more about education. The course includes activities, projects and observations, planning and teaching lessons. A field experience is an integral part of the course.

HEALTH AND HUMAN SERVICES ELECTIVES:
Early Childhood Education Continued

Teacher Cadet – Dual Credit Educational Psychology **881700EW**
Grade: 12 (for ECE Completers) **639100EW**
Prerequisite: Teacher Cadet Dual Credit Experiencing Education
This course focuses on the dynamics of human learning and the psychological principles that serve as the foundation for educational practice. The general goal is to introduce students to the field of educational psychology and apply the concepts, theoretical principles, and research findings from the discipline of psychology to the classroom. Major emphasis is placed on assisting students in gaining a functional knowledge of the ideas explored.

HEALTH AND HUMAN SERVICES ELECTIVES:

Health Science

Note: Health Science courses are electives and do not meet the graduation requirement for "science."

Health Science 1 - CP **555001CW**

Grades: 9, 10, 11, 12

Health Science 1 is the first of four courses offered to students interested in pursuing a career in the healthcare field. In this first course students are provided an overview of healthcare history, cultural diversity, medical terminology, medical math, infection control, basics of the organization of healthcare facilities, and personal health and lifestyle choices. A major focus is placed on introduction to health careers, professionalism and employability skills. Students achieve an understanding of where healthcare has been, where it is going and how professionalism and personal characteristics impact their success. As students are guided through healthcare career exploration, they will discuss education levels, and requirements needed to be successful. Students will participate in a career project, and will learn from guest speakers in the healthcare field. The skills and knowledge that students learn in Health Science 1 serve to prepare them for future clinical experiences as they advance through the Health Science courses**.**

Health Science 2 - CP **555002CW**

Grades: 10, 11, 12

Prerequisite: Health Science 1 and Teacher Recommendation.

Health Science 2 applies the knowledge and skills that were learned in Health Science 1 while further challenging the students to learn more about the healthcare field. Health Science 2 will continue teaching, in more detail, the units of study that include advanced study of infection control. Students in Health Science 2 will learn how to take vital signs, record them and learn what the data means. This course will introduce students to basic patient care skills. Students will have the opportunity to become certified in First Aid and CPR which is a requirement for Health Science 4 (H). Career pathways and scenarios are introduced through each section.

Health Science 3 - CP **555203CW**

Grades: 11, 12

Prerequisite: Health Science 2 and Teacher Recommendation

Health Science 3 focuses on basic anatomy and physiology of the human body. Students learn how the human body is structured and the function of each of the 12 body systems. Students will study the relationship that body systems have with disease from the healthcare point of view. Students will learn through projects and activities in the classroom. Students are recommended to be First Aid and CPR certified prior to this course. Medical terminology is incorporated into each unit of study.

C average in Health Science 3 and teacher recommendation is required before advancing to Health Science 4H.

Continued: HEALTH AND HUMAN SERVICES ELECTIVES:
Health Science

Health Science 4 - Clinical Studies - H **556004HW**
Grade: 12
Prerequisite: C average in Health Science 3 required and teacher recommendation

Health Science Clinical Studies (H) is a course that guides students to make connections from the classroom to the healthcare industry through clinical experiences/activities. This course is designed to provide for further development and application of knowledge and skills common to a wide variety of healthcare professions. The students in this course will build on all information and skills presented in the previous required course foundation standards. The students will relay these skills into real life experiences. Students must demonstrate advanced knowledge of anatomy, physiology, and pathophysiology in order to be successful in this course.

Students will have the option of focusing on one of two tracks:

Pharmacology for Medical Careers (Pharmacy Technician Training Program): This is a program designed to inform senior level students about pharmacology in the medical field and to train future pharmacy technicians for success in this career. At the high school level, students are exposed to pharmacy careers and benefit from pharmacology, math, and science standards included in this course. Students must be a three-unit completer in Health Science to enroll in this course. Students may choose the clinical rotation OR the pharmacology option for field experiences. There may be a cost associated with the pharmacology option.

SC Certified Nurse Aide (CNA) Program: The students will relate skills into real-life experiences to become SC Certified Nurse Aide. This is a program designed to inform senior level students and train future CNA's for success in this career. At the high school level, students are prepared to perform nursing-related services to patients and residents in hospitals or long-term care facilities. For nurse -aide programs, students will review all foundation standards in the clinical study program as well as the addition of the South Carolina Nurse Aide Curriculum. Students must be a three-unit completer in Health Science to enroll in this course. This course includes 20 hours of documented skill practicum and 40 hours of clinical experience in a long-term care (LTC) facility.

HEALTH AND HUMAN SERVICES ELECTIVES:
Sports Medicine

Sports Medicine 1 - CP **555501CW**
Grades: 9, 10, 11, 12
This course is a basic introduction to sports medicine. Topics covered are first aid, emergency procedures, prevention of athletic injuries, basic sports nutrition, anatomy, recognition of injuries, organizational skills, and careers in sports medicine.

Sports Medicine 2 - CP **555602CW**
Grades: 10, 11, 12
Prerequisite: Sports Medicine 1 and Teacher Recommendation
This course will take an in-depth look at the prevention, recognition, and treatment of athletic injuries including modalities. Human anatomy, kinesiology, exercise physiology, taping skills, sports nutrition, and rehabilitation techniques concerned with athletic injuries will be studied.

Sports Medicine 3 - CP **555703CW**
Grades: 11, 12
Prerequisite: C average in Sports Medicine 2 and teacher recommendation
Sports Medicine 3 is required to for the Sports Medicine major along with a fourth course such as Health Science 1, Health Science 3, or Biomedical Science. Students will evaluate injuries, the body's response to injury and purposes and practices in rehabilitation. They will participate in an internship with a medical related professional. Students will be able to earn certifications in CPR and First Aid.

HEALTH AND HUMAN SERVICES ELECTIVES:
Biomedical Science (PLTW)

Note: Biomed. Science courses are electives and do not meet the graduation requirement for "science." ***Students who pass a Biomed PLTW course (except Biomedical Innovation) AND meet the cut score determined by PLTW on the final exam will be given Dual Credit weighting for the course.***

Principles of Biomedical Science – CP or possible Dual Credit weighting for GPA 558000CW
Grades: 9, 10, 11, 12
Prerequisite: Successful completion of math and science courses
This course provides an introduction into the concepts of biological and medical concepts and career opportunities. Students begin the course by investigating the death of a fictional character. They examine autopsy reports, analyze trace evidence, investigate medical history and explore medical treatments that might have prolonged the person's life. Students then investigate outbreaks and emergencies, learning about patient care, resource planning and crisis communication through participating in various roles in mock crisis scenarios. Students also explore medical innovations aimed at improving patient quality of care. This hands-on course allows students to develop concept knowledge and transportable life/career skills.

Human Body Systems (Biomed. Science 2) – CP or possible Dual Credit weighting for GPA 558100CW
Grades: 10, 11, 12
Prerequisite: Principles of Biomedical Science
In this challenging hands-on course, students work through interesting real world cases and often play the role of biomedical professionals to solve medical mysteries. Students engage in the study of the processes, structures, and interactions of the human body systems. Important concepts in the course include: communication, transport of substances, locomotion, metabolic processes, defense, and protection. The central theme is how the body systems work together to maintain homeostasis and good health. The systems are studied as "parts of the whole," working together to keep the amazing human machine functioning at an optimal level. Students will design experiments, investigate the structures and functions of body systems, and use data acquisition software to monitor body functions.

Medical Intervention (Biomed. Science 3) – CP or possible Dual Credit weighting for GPA 558200CW
Grades: 10, 11, 12 *Prerequisite*: Principles of Biomedical Science and Human Body Systems
Throughout the Medical Intervention course, student projects investigate various medical interventions that extend and improve quality of life, including gene therapy, pharmacology, surgery, prosthetics, rehabilitation, and supportive care. The course explores the design and development of various medical interventions, including vascular stents, cochlear implants, and prosthetic limbs. In addition, students review the history of organ transplants and gene therapy, and stay updated on cutting-edge developments via current scientific literature.

Biomedical Innovation (Biomedical Science 4) - H 558300HW
Grades: 10, 11, 12
Prerequisite: Medical Intervention and Teacher Recommendation
In this capstone course, students apply their knowledge and skills to answer questions or to solve problems related to the biomedical sciences. Students design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. They have the opportunity to work on an independent project and may consult with a mentor or advisor from a university, hospital, physician's office, or industry. Throughout the courses, students are expected to present the results of their work to an adult audience, which may include representatives from the local business or healthcare community.

HEALTH AND HUMAN SERVICES ELECTIVES:
Culinary Arts

Foods and Nutrition - CP **582400CW**

Grades: 9, 10, 11, 12

Are you aware of what foods to eat to maintain a healthy lifestyle? Can you select and prepare healthy foods? If not, this is the course for you! Food and Nutrition 1 will allow students to evaluate food choices, practice a variety of food preparation techniques, demonstrate table service and etiquette, and explore nutrition related careers. Critical thinking and practical problem-solving are emphasized in a co-curricular approach that incorporates principles of mathematics, science, writing, communications, and economics. The ServSafe® employee certification provides increased marketability.

Inclusion of the Family and Consumer Sciences student organization, Family Careers, and Community Leaders of America (FCCLA), greatly enhances this curriculum.

Foods & Nutrition 2 – CP **582500CW**

Grades: 10, 11, 12

Prerequisite: Foods and Nutrition

This course is designed to focus on principles of nutrition, purchasing and preparation, consumerism, and career options related to food. The study and application of nutrition, sanitation, food sciences and technology in this course provides students with laboratory-based experiences that will strengthen critical thinking and practical problem-solving concepts and standards outlined in mathematics, science, writing, communications and economics. FCCLA may be an integral part of this course

Culinary Arts Management 1 – CP **572000CW**

Grades: 10, 11, 12

Prerequisite: Foods and Nutrition

This course emphasizes skills in the following areas: cuisines, culinary basics, culinary mathematics, dining room operations, food production techniques, food service management, menus nutrition, professionalism, recipes, safety and sanitation, and sustainability. Integration of the Family and Consumer Sciences co-curricular student organization, Family Careers, and Community Leaders of America (FCCLA) and SkillsUSA, greatly enhances the learning experience. Employment opportunities and qualifications are explored as well as industry certifications. **Closed-toed shoes and chef's jacket and hat are required**.

Culinary Arts Management 2 – CP **572100CW**

Grades: 10, 11, 12

Prerequisites: Culinary Arts Management 1

This course applies and expands upon the skills learned in Culinary Arts 1. Students will gain valuable experiences in the following: cuisines, culinary basics, culinary mathematics, dining room operations, food production techniques, food service management, menus, nutrition, professionalism, recipes, safety and sanitation, and sustainability. Integration of the Family and Consumer Sciences co-curricular student organization, Family Careers, and Community Leaders of America (FCCLA), greatly enhances the learning experience. Students are strongly encouraged to achieve appropriate workplace certification. **Closed-toed shoes and chef's jacket and hat are required.**

HEALTH AND HUMAN SERVICES ELECTIVES:
Law and Legal Services

Law Related Education - CP **333600CW**
Grades: 10, 11, 12
This is a course in general law. Law Related education involves teaching students about the rights and responsibilities of citizenship. It provides students with active learning opportunities that foster their understanding of the role of law in a democratic society. Students learn about laws and the legal system and how it affects their lives.

Criminal Justice - CP **339991CW**
Grades: 11, 12
Prerequisite: It is highly recommended students complete US History CP and teacher recommendation
Criminal Justice CP is the study of criminal law with an emphasis on the study of police, courts and the prison system. Criminal Justice CP involves the in-depth examination of people, institutions and important societal issues.

Mock Trial - CP **339920CW**
Grades: 10, 11, 12
The Mock Trial course includes an introduction to legal argument, organization, preparation, and oral presentation of arguments such as opening and closing statements, direct questions, and cross examinations. Classes will include substantive lectures, student performances of assigned problems, written assignments, and demonstrations of trial skills. Some independent research will be necessary. Projects will involve both individual and group assignments.

Business Law - CP **504400CW**
Grades: 10, 11, 12
Business Law will help students make smart and informed decisions in the following areas: Fundamentals of Contracts, Property Rights, Forms of Ownership, Workplace Law and Civil Law. Students will review case files and participate in a mock trial.

Public Speaking - CP **304000CW**
Grades: 9, 10, 11, 12
This college preparatory course is designed to introduce students to the foundations of proper communication. Selected units may include interpersonal skills, debate, discussion, interviewing, broadcasting, oral interpretation, and parliamentary procedure. Students will prepare and perform formal and informal speeches.

HEALTH AND HUMAN SERVICES ELECTIVES:
Physical Education

1 credit of PE, JROTC or Band with Physical Education is required for graduation

Physical Education - CP **344100CW**
Grade: 9
This course is designed to give students an opportunity to learn elements of health and fitness through a comprehensive Physical Education program in accordance with the South Carolina Department of Education Standards for Physical Education. Students will be empowered to make choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime. Units of instruction include introduction to physical fitness, individual and team activities, social and emotional fitness well-being, and basic elements and understanding of activities, such as: aerobics, badminton, baseball, basketball, flag football, recreational games, social dance, softball, tennis, track and field, ultimate Frisbee, and wrestling. In accordance with South Carolina State Department of Education standards, all students will also participate and complete the FitnessGram testing program.

There is a daily emphasis on physical exercise and the student is required to dress in PE uniforms.

Personal Health and Wellness (Sports and Fitness) - CP **340200CW**
Grades: 10, 11, 12
Prerequisite: Physical Education 1
This course will help students achieve higher levels of fitness and health through a variety of competitive sports. Students will participate in team and individual sports through tournament formats such as double elimination and round robin. Examples of activities include flag football, softball, basketball, ping pong, badminton, and ultimate Frisbee.

Physical Education 2 – CP (Physical Conditioning) **344200CW**
Grades: 10, 11, 12
This course is designed as an introductory fitness and exercise class. It is intended to aid students in making important decisions about their personal exercise program and in developing a healthy lifestyle. The course includes a vigorous weight lifting component and instruction in muscle groups and cardiovascular fitness. Finding the student's target fitness zone and working to achieve an optimum fitness level is emphasized.

Physical Education 3 - CP **344300CW**
Grades: 10, 11, 12
Prerequisite: Previous level of physical education
This course is a continuation of Physical Conditioning 1. Extensive lab work is required.

Physical Education 4, 5, 6 **349904CW, 349905CW, 349906CW**
Grades: 10, 11, 12
Prerequisite: Previous level of physical education
These courses are a continuation of Physical Conditioning. Extensive lab work is required.

HEALTH AND HUMAN SERVICES ELECTIVES:
Marine Corps and Navy JROTC Leadership Education

Leadership Education is based upon the tenants of leadership: to teach and develop a sense of citizenship, responsibility, discipline and character. Throughout the program, the Leadership Education curriculum is presented by way of five different categories of instruction. Those categories are: 1) Leadership, 2) Citizenship, 3) Personal Growth and Responsibility, 4) Public Service and Career Exploration, and 5) General Military Subjects. The curriculum reflects two fundamental aspects: Leadership Studies which teach leadership and citizenship; and the Leadership Labs which allow the student to apply that knowledge.

Grade	Fall	Spring
9	JROTC 1 375100CW	JROTC 2 375200CW
10	JROTC 3 375300CW	JROTC 4 375400CW
11	JROTC 5 375500CW	JROTC 6 375600CW
12	JROTC 7 CP and Honors 375700CW or 375700HW	JROTC 8 CP and Honors 375800CW or 375700HW

JROTC 1, 2 CP (two separate courses) 375100CW and 375200CW
Grades: 9, 10, 11, 12
The first unit of the Leadership Education program provides an introduction to both leadership and citizenship. It also exposes new cadets to personal growth and responsibility and establishes a foundation in military structure and tradition. Additionally, cadets participate in a healthy physical education program and are first exposed to the teamwork required in organized drill. This course will serve as the student's graduation requirement for physical education (JROTC 1) and High School 101 (JROTC2).

JROTC 3, 4 CP (two separate courses) 375300CW and 375400CW
Grades: 9, 10, 11, 12
Prerequisite: Previous JROTC courses and approval from the Senior Instructor
Leadership Education II continues the leadership and citizenship classes of JROTC 1 and 2. During this course students receive instruction in General Military Subjects with more structure and tradition than in previous classes. Cadets also receive an introduction to the exciting sport of marksmanship, and orienteering training with map and compass. This unit also provides additional learning experiences in personal growth and responsibility, as well as citizenship.

JROTC 5, 6 CP (two separate courses) 375500CW and 375600CW
Grades: 10, 11, 12
Prerequisite: Previous JROTC courses and approval from the Senior Instructor
In JROTC 5 and 6, cadets resume building upon the subjects they studied in previous JROTC courses, including various career options by beginning to learn more about public service and other possible careers for life after high school. Cadets also learn about job seeking and the interview process as well as receiving instruction in personal finances.

JROTC 7 CP or H, 8 CP or H (two separate courses) 375700CW or HW and 375800CW or HW
Grades: 10, 11, 12
Prerequisite: Approval from the Senior Instructor
JROTC 7 and 8 is the culmination of a cadet's Leadership Education studies. Cadets are expected to keep up with and be able to discuss current events. Social and cultural topics such as equal opportunity and sexual harassment are studied, and writing assignments are required on subjects approved by the instructor. Finally, cadets create a personal resume for their future use after high school.

JROTC LEADERSHIP LABS
Leadership Labs are the practical application phase of the textbook leadership learned in the MCJROTC Leadership Education curriculum. This application takes place primarily in the JROTC environment under the guidance of JROTC instructors. Cadets in the Leadership Labs will be assigned leadership tasks/responsibilities within JROTC unit on a full-time basis as determined by the Senior Marine Instructor. In addition to their leadership duties, cadets also continue to hone their skills by participating in leadership forums with their instructors.

Leadership Lab I – CP 379901CW
Grades: 10, 11, 12
Prerequisite: LE-I, LE-II and approval from the Senior Instructor
Cadets exercise small unit leadership at the cadet squad level. In their leadership responsibilities, LL-I cadets will oversee the daily conduct and accountability of LE-I or LE-II cadets. This includes inspecting the daily appearance of cadets, with special emphasis on uniform days, organizing and leading drill and PT sessions. When LE cadets are under the full supervision of any instruction, LL-I cadets continue their academic studies with self paced courses in communications, basic grammar, driving for life as determined by the Senior Instructor.

Leadership Lab II – CP 379902CW
Grades: 10, 11, 12
Prerequisite: LL-I and approval from the Senior Instructor
Cadets exercise small unit leadership at the cadet platoon level. In their leadership responsibilities, LL-II cadets oversee the daily conduct and accountability of LL-I cadets. This will include oversight and supervision of subordinate Leadership Lab cadets conducting inspections and other activities with their squads of LE-I or LE-II cadets. Leadership Lab II cadets will organize and lead platoon drill and PT sessions. LL-II cadets will also take responsibility for counseling cadets in their platoon to correct improper performance and reinforce good performance, and recommending evaluation marks/cadet promotions to the SMI. When LE cadets are under the full supervision of an instructor, LL-II cadets will continue their academic studies with self-paced courses in decision making fundamentals, interpersonal skills, communicating as a leader, as determined by the Senior Instructor.

Leadership Lab III – CP **379903CW**
Grades: 11, 12
Prerequisite: LL-II and approval of the Senior Instructor
Cadets will exercise small unit leadership at the cadet company level. In their leadership responsibilities, LL-III cadets will oversee the daily conduct and accountability of the various staff and leadership tasks of the unit. This will include inspecting a cadet platoon, with special emphasis on uniform days. Usually LL-III cadets serve in various staff assignments such as supply, operations, and administration or are Platoon Commanders, Executive Officers, or Cadet Commanding Officers. When LE cadets are under the full supervision of an instructor, LL-III cadets will continue their academic studies with self-paced courses in media awareness, delivering a presentation, brainstorming and promoting creative thinking, as determined by the Senior Instructor.

Leadership Lab IV – CP **379904CW**
Grade: 12
Prerequisite: LL-III and approval of the Senior JROTC Instructor
Cadets entrusted to participate in Leadership Lab IV will primarily serve as mentor for other high school students, in or out of the JROTC program. This is a serious responsibility for a high school student, and approval from the SMI and principal is required. When the student being mentored by the LL-IV cadet is not available, LL-IV cadets will continue their academic studies with self-paced courses in building a project team, leading the successful project team, as determined by the Senior Instructor.

ADDITIONAL COURSES

Academic Strategies **390R01CW, 390R02CW, 390R03CW, 390R04CW**

Grades: 9, 10, 11, 12

Prerequisite: Teacher Recommendation

The design of this course promotes the active engagement of its students in their efforts toward becoming strategic, effective and independent learners. Providing direct instruction that enables students to acquire and apply necessary strategies and skills, the course has the dual goals of enhancing their success in the classroom and preparing them for their transition to a post secondary setting.

High School 101 - CP **379960CW**

*Required for graduation

*Students who enter FMSD after their 9th grade year may meet this requirement through Health. Please speak to your school counselor for more information.

Grades: 9

High School 101 is a required course that focuses on providing new high school students with the skills necessary to be successful during high school as well as for post-secondary pursuits. The course addresses many of the challenges that teens face and provides direction for a smooth transition. It also meets several state mandated requirements for high school students. Emphasis is placed on the following: orientation, study habits, learning styles, time management, technology, career exploration/employability skills, academic planning, financial planning, personal growth and goal setting, drug and bullying prevention, and comprehensive health and community service. By the end of the course, students will have effective planning strategies for a productive, well-rounded future. Students receive the required Comprehensive Health Education (including reproductive health education) during this course.

SAT Improvement - CP **401100CW**

Grades: 11, 12

Prerequisite: Intermediate Algebra or Algebra 1, Geometry. Student must be enrolled in Algebra 2 the next semester.

This course will focus on the Algebra 2 standards while preparing students for success on college entrance exams. Attention is given to thinking skills, vocabulary development, and college study skills.

Teacher Aide (No Credit) **37992500**

Grades: 11, 12

The student helps a teacher on the high school campus with clerical work or any other tasks that the teacher designates.

S.C. High School Credential

The SC High School Credential provides a course of study designed to equip students with the skills, knowledge, and work ethic needed to succeed in today's job market. The uniform, state-recognized SC High School Credential is aligned to a newly created course of study for students with disabilities whose Individualized Education Program (IEP) team determines this course of study is appropriate. The SC High School Credential is not a SC High School Diploma and is not for all students with disabilities.

24 units of coursework aligned with the SC College-and-Career-Ready Standards

COURSES	UNITS
ELA	4
Math	4
Science	2
Social Studies	2
Employability Education	4
PE/Health (or equivalent)	1
Technology	1
Electives	6

-AND-

- Career portfolio that includes a multimedia presentation project
- Word readiness assessment results that demonstrate the student is ready for competitive employment
- Work-based learning/training that totals at least **360 hours**

390010CH 390012CH	Essentials of English 1	391810CW	Employability Education 2
390110CH 390112CH	Essentials of Math 1	392010CH 392012CH	Essentials of English 3
390210CW	Essentials of Science 1	392110CH 392112CH	Essentials of Math 3
390310CW	Essentials of Social Studies 1	392810CW	Employability Education 3
390810CW	Employability Education 1	393010CH 393012CH	Essentials of English 4
391010CH 391012CH	Essentials of English 2	393110CH 393112CH	Essentials of Math 4
391110CH 391112CH	Essentials of Math 2	393810CW	Employability Education 4
391210CW	Essentials of Science 2	39M810CW	Essentials of Technology
391310CW	Essentials of Social Studies 2		

Life Skills Courses

Fort Mill School District offers the following courses to students who require skills-based instruction in the areas of functional academic, daily living, and employment skills. Completion of the coursework taken within these curriculums will not lead to students earning credits for a South Carolina High School diploma.

The Life Skills curriculum focuses on daily living, social, vocational, community training, domestic, recreation, and functional academics. Following completion of these courses and upon exiting high school, students will receive a district credential.

Life Skills: Daily Living **39021109, 39021209, 39021309, 39021409**
Grades: 9, 10, 11, 12+
This is a course which includes instruction on the ability to self-manage behavior, communicate effectively with others in everyday life, and perform essential daily self-care and self-help skills. Instruction is individualized based on each student's needs but is focused on basic communication, self-management, dressing, toileting, grooming, health and safety.

Life Skills: Functional Academics **39022109, 39022209, 39022309, 39022409**
Grades: 9, 10, 11, 12+
This is a course which includes instruction on classroom mechanics, routines and expectations, common knowledge, the use of reading, writing, and math skills as it applies to everyday living, as well as the operation of technological devices within the school setting.

Life Skills: Pre-Employment Training **39023109, 39023209, 39023309, 39023409**
Grades: 9, 10, 11, 12+
This is a course which includes instruction that will allow learners to pursue, obtain, and participate in meaningful supported employment skills in a variety of settings. There is a focus on the "soft skills" required for participation in many jobs as well as instruction in communication skills, social skills and interactions, and workplace etiquette. This course may also include instruction on skills such as folding, collating, packaging, cleaning, laundry, as well as restaurant/kitchen skills, warehouse skills, building/construction and gardening.

Occupational Studies

The Occupational Studies curriculum focuses on academic, functional, and employment skills with an emphasis placed on the competencies and skills needed to prepare students for productive and independent living. Following completion of these courses and upon exiting high school, students will receive a district credential. These courses do not lead to a high school diploma.

Occupational Studies 1, 2, 3, 4

English 49101100, 49101200, 49101300, 49101400
Math 49101101, 49101201, 49101301, 49101401

Grades: 9, 10, 11, 12
Occupational Studies courses will focus on skills necessary for daily living and the world of work. Students will acquire functional academic skills that parallel to the state standards in English and mathematics with a focus on real-world application. There is a strong focus on developing literacy skills which are needed to gain meaning from a variety of texts and other mediums through analysis and application. Students will study real-world vocabulary necessary for independent living and employment. Students will write for a variety of tasks, purposes, and audiences and communicate effectively with others in both daily living and employment settings. This course focuses on the development of the student's ability to understand and apply mathematics real-world situations using a variety of mathematical tools and develop real-world problem-solving skills. There is a focus on developing skills related to personal finance and independent living.

Occupational Studies Science 1, 2 **49102102, 49102202**
Grades: 9, 10, 11, 12
Occupational Studies Science is aligned to the SC College- and Career Ready Biology and Physical Science Standards. This course will include instruction in the practices of science and engineering, allowing students to engage in problem solving, decision making, critical thinking, and applied learning. Students enrolled in this course will participate in laboratory exercises with hands-on investigation.

Occupational Studies Social Studies 1, 2 **49103103, 49103203**
Grades: 9, 10, 11, 12
Occupational Studies Social Studies is aligned to the SC College- and Career Ready US History and Constitution, US Government and Economics. This course focuses on local, state, and federal government and the economics as it relates to consumers and producers. Students will apply the information learned in this course to real-world situations. Students will develop an understanding of the US Constitution and their rights and responsibilities.

Occupational Studies – Employment Education 1, 2, 3, 4 **49104108, 49104208, 49104308, 49104408**
Grades: 9, 10, 11, 12
Occupational Studies Employment Education is designed for students to explore and research career interests, develop self-determination skills, and develop soft and hard skills necessary to obtain and maintain successful employment in the community. Students in these courses may participate in job shadowing and structured field studies to gain a greater understanding of skills necessary for specific careers.

Occupational Studies

Occupational Training 1 - PAES (Practical Assessment Exploration System) **49105108**
Grades: 9, 10
Students enrolled in this course participate in a simulated work environment in the PAES Lab. Students explore five career vocational areas: Computer Technology, Construction/Industrial, Processing/Production, Consumer/Service, and Business/Marketing. This course will help students identify careers of interest and work behaviors they need to develop.

Occupational Training 2 **49105208**
Grades: 10, 11
Students enrolled in this course participate in school-based internships and school-based enterprises. Students will continue to explore careers through a variety of internships in the school aligned with SC career clusters. Students will develop skills and work behaviors necessary for successful employment through internships and participation in school-based enterprise. Upon completion of the course students should be able to identify a chosen career cluster and career goal.

Occupational Training 3 **49105308**
Grades: 11, 12
Students enrolled in this course will participate in a school-based internship or a school-based enterprise focusing on the development of skills and work behaviors specific to their post-secondary career goal.

Occupational Training 4 **49105408**
Grades: 11, 12
Students enrolled in this course will generalize skills and work behaviors learned in the classroom to work-sites in the community. Students may participate in vocational training at South Carolina Vocational Rehabilitation or work-based learning experiences in the school/community. Upon completion of this course students will have the skills to enter the workplace.

Post-Secondary Preparation

Transition **49106108**
Prerequisite: *Completion of 4 years of high school in the life skills or occupational studies program*
This course is designed for students ages 18-21 with an IEP who continue to receive special education services to develop vocational skills, daily living skills, and functional academics. Students spend a portion of the school day learning functional academic and vocational skills in the classroom which are then generalized through Community-Based Instruction and vocational training in the community. Students will gain daily living skills related to cooking, cleaning, and self-care.

Project SEARCH **49106208**
Prerequisite: Previous enrollment in life skills, occupational studies or occupation credential program. Must be in you last year of high school or special education services and 18-21 years of age by the first day of school. Students must complete an application and participate in a skills-assessment/interview for acceptance into the program. Teacher recommendation required.
Project SEARCH is a partnership with Piedmont Medical Center, Vocational Rehabilitation, and Fort Mill School District which provides real-life work experience combined with training in employability and independent-living skills to help young people with intellectual and developmental disabilities make successful transitions to productive adult life. The goal of Project SEARCH is competitive employment.

Dual Credit Courses

Dual credit courses allow students to earn high school and college credit simultaneously. Dual credit courses carry a 1.0 quality point weighting above CP level courses. Students must have a 3.0 GPA in order to meet USCL's admission criteria for dual credit courses.

If a student meets the pre-requisites for the course and enrolls in the program they would take both classes in each cluster in one semester. Students are not able to take only one class within one cluster. As a result, they would earn credit for two college courses (6 college credit hours). They would earn 1 credit for each course on their high school transcript.

The following dual credit courses are in partnership with the University of South Carolina Lancaster. Your child may qualify for S.C. Lottery Tuition Assistance which would cover their tuition. If your child is not eligible for this scholarship there is a fee associated with these courses, payable to USCL. Please consult with prospective colleges to determine if and how they would accept these courses upon enrollment in college. **Students are responsible for the costs of textbooks for these courses.** The Lottery Tuition Assistance does NOT cover the costs of books.

Course name	USCL Code	HS Code	Pre-Requisite	Grades
Cluster 1				
American Criminal Justice System	CRJU 101	8843CLEW	Successful completion of World Geography and World History (CP or H)	11,12
Introduction to Sociology	SOCY 101	3347CLEW	Successful completion of World Geography and World History (CP or H)	11,12
Cluster 2				
Fundamentals of Acting	THEA 170	4528CLEW	Successful completion of Theater 1,2,3	11,12
Understanding and Appreciation of Theatre	THEA 200	4529CLEW	Successful completion of Theater 1,2,3	11,12
Cluster 3				
Elementary French	FREN 121	9648CLEW	C or better in French 2 and successful completion of USCL placement exam	11,12
Basic Proficiency in French	FREN 122	4642CLEW	C or better in French 2 and successful completion of USCL placement exam	11,12
Cluster 4				
Elementary Spanish	SPAN 121	4637CLEW	C or better in Spanish 2 and successful completion of USCL placement exam	11,12
Basic Proficiency in Spanish	SPAN 122	4638CLEW	C or better in Spanish 2 and successful completion of USCL placement exam	11,12

Dual Enrollment

Dual enrollment courses enable students to get a jump start on college education by earning college credits while still in high school. Dual enrollment students are responsible for tuition, fees, and books. Students may be eligible for the Lottery Tuition Assistance (LTA). Students eligible for LTA must meet the requirements of the articulating college, including taking a minimum of 6 credit hours in any given semester.

Please consult with prospective colleges to determine if and how they would accept these courses upon enrollment in college. **Students are responsible for the costs of textbooks for these courses.** The Lottery Tuition Assistance does NOT cover the costs of books.

Students may enroll in the following programs offered by York Technical College and earn college credits:

Auto Body Repair

Building Construction

Cybersecurity

Mechatronics

Welding

Appendix

10 Point Grading Scale

South Carolina Uniform Grading Scale Conversions				
Numerical Average	**Letter Grade**	**College Prep Weighting**	**Honors Weighting**	**AP/IB/Dual Credit Weighting**
100	A	5.000	5.500	6.000
99	A	4.900	5.400	5.900
98	A	4.800	5.300	5.800
97	A	4.700	5.200	5.700
96	A	4.600	5.100	5.600
95	A	4.500	5.000	5.500
94	A	4.400	4.900	5.400
93	A	4.300	4.800	5.300
92	A	4.200	4.700	5.200
91	A	4.100	4.600	5.100
90	A	4.000	4.500	5.000
89	B	3.900	4.400	4.900
88	B	3.800	4.300	4.800
87	B	3.700	4.200	4.700
86	B	3.600	4.100	4.600
85	B	3.500	4.000	4.500
84	B	3.400	3.900	4.400
83	B	3.300	3.800	4.300
82	B	3.200	3.700	4.200
81	B	3.100	3.600	4.100
80	B	3.000	3.500	4.000
79	C	2.900	3.400	3.900
78	C	2.800	3.300	3.800
77	C	2.700	3.200	3.700
76	C	2.600	3.100	3.600
75	C	2.500	3.000	3.500
74	C	2.400	2.900	3.400
73	C	2.300	2.800	3.300
72	C	2.200	2.700	3.200
71	C	2.100	2.600	3.100
70	C	2.000	2.500	3.000
69	D	1.900	2.400	2.900
68	D	1.800	2.300	2.800
67	D	1.700	2.200	2.700
66	D	1.600	2.100	2.600
65	D	1.500	2.000	2.500
64	D	1.400	1.900	2.400
63	D	1.300	1.800	2.300
62	D	1.200	1.700	2.200
61	D	1.100	1.600	2.100
60	D	1.000	1.500	2.000
59	F	0.900	1.400	1.900
58	F	0.800	1.300	1.800
57	F	0.700	1.200	1.700
56	F	0.600	1.100	1.600
55	F	0.500	1.000	1.500
54	F	0.400	0.900	1.400
53	F	0.300	0.800	1.300
52	F	0.200	0.700	1.200
51	F	0.100	0.600	1.100

SC Scholarship and Grant Programs

This brief overview of the State Scholarships and Grants programs is accurate at the time of printing. For more detailed information refer to the SC Commission of Higher Education's website at www.che.sc.gov

	Palmetto Fellows Scholarship **Please note the capture dates for qualifying.**	LIFE Scholarship	SC HOPE Scholarship	SC Needs-Based Grant	Lottery Tuition Assistance
Initial Eligibility	- Minimum 3.5 cumulative GPA based on SC Uniform Grading Scale - Minimum Score of 1200 SAT/25 ACT - Rank in top 6% of class at end of sophomore, junior, or senior year based on official final transcript. **OR** - Minimum 4.0 cumulative GPA based on SC Uniform Grading Scale - Minimum Score of 1400 SAT (critical reading/Math)/31 ACT Application distributed by guidance and due in senior year	Four Year Institution Must have 2 of 3: Minimum of 3.0 on the SC Uniform Grading Scale Rank in top 30% of high school graduating class Minimum Score of 1100 SAT /22 ACT **OR** Two Year Institution: Minimum 3.0 cumulative GPA based on SC Uniform Grading Scale	Minimum 3.0 cumulative GPA based on the SC Uniform Grading Scale No minimum test score or rank required.	No Minimum GPA Students must complete Free Application for Federal Student Aid. (FAFSA)	No Minimum GPA However, students must complete Free Application for Federal Student Aid. (FAFSA)
Award Amount	Up to $6,700 toward the cost of attendance at eligible 4-year institutions	Up to $5,000 toward the cost of attendance at eligible 4-year institutions **OR** Up to $5,000 at a 2-yr institution (includes $300 book stipend)	$2,800 (includes $300 book stipend) toward the cost of attendance at eligible 4-year institutions	Up to $2,500 for full time students and $1,250 for part-time toward the cost of attendance at eligible 4-yr institutions	Up to cost of tuition at a 2-year college.
Renewal Criteria	Minimum 3.0 cumulative GPA and 30 credit hours for graduation purposes each academic year in college	Minimum 3.0 cumulative GPA and an average 30 credit hours each academic year based on initial college enrollment	This scholarship is for the first year of attendance at a 4-year institution only. See LIFE scholarship requirements for sophomore year in college.	Fill out FAFSA and minimum 2.0 cumulative GPA and 24 credits hrs. each academic year if full time and 12 hrs if part-time	Fill out FAFSA and satisfactory academic progress
Term Limit	8 consecutive terms toward first bachelor's degree	2 consecutive terms for a certificate or diploma diploma,4 consecutive terms for an associate's degree, 8 consecutive terms for first bachelor's degree		8 consecutive terms toward bachelor's degree	

Put in NCAA eligibility requirements from the links below for Division 1 and Division II on these 4 pages.

http://fs.ncaa.org/Docs/eligibility_center/Student_Resources/DI_ReqsFactSheet.pdf

http://fs.ncaa.org/Docs/eligibility_center/Student_Resources/DII_ReqsFactSheet.pdf

Individual Graduation Plan (IGP) Worksheet

Name: _____ **State ID Number:** _____ **Current Grade:** _____

Academy/School of Study (Optional):

_____

Clusters: _____ **Majors:** _____
Declare Only ❑ Intend to Complete ❑

_____ _____
Declare Only ❑ Intend to Complete ❑

Career Goal: _____

Postsecondary Plans: ❑ Workforce/Apprenticeship ❑ Two-Year College/Technical Training ❑ Four-Year College ❑ Military

	9	10	11	12	College
English* Four Units					
Math* Four Units					
Science* Three Units					
Social Studies* Three Units					
Requirements/Electives					
Requirements/Electives					
Requirements/Electives					
Requirements/Electives					

Required Courses for Major (Four Credits Required)	Complementary Course Work	Extended Learning Opportunity Options Related to Major	Certification(s) (Upon Completion of Major)
❑	❑		
❑	❑		
❑	❑		
❑	❑		

College Credit Codes:
CA -College Credit by Competency Articulation ***EA***-College Credit by Exam Available ***NC***-College Credit through National Certification Available
DE-Dual Enrollment; Check Local Articulation Agreements ***TA***-Statewide University Transfer Agreement

The Individual Graduation Plan should meet high school graduation requirements as well as college entrance requirements.

*Required for graduation

_____ _____ _____ _____
Student Signature Date Parent/Guardian/Representative Signature Date

_____ _____
Counselor Signature Date

The IGP reflects a plan that may be subject to change by the availability and timing of course offerings in each school district.

08/07

Index

Course Index