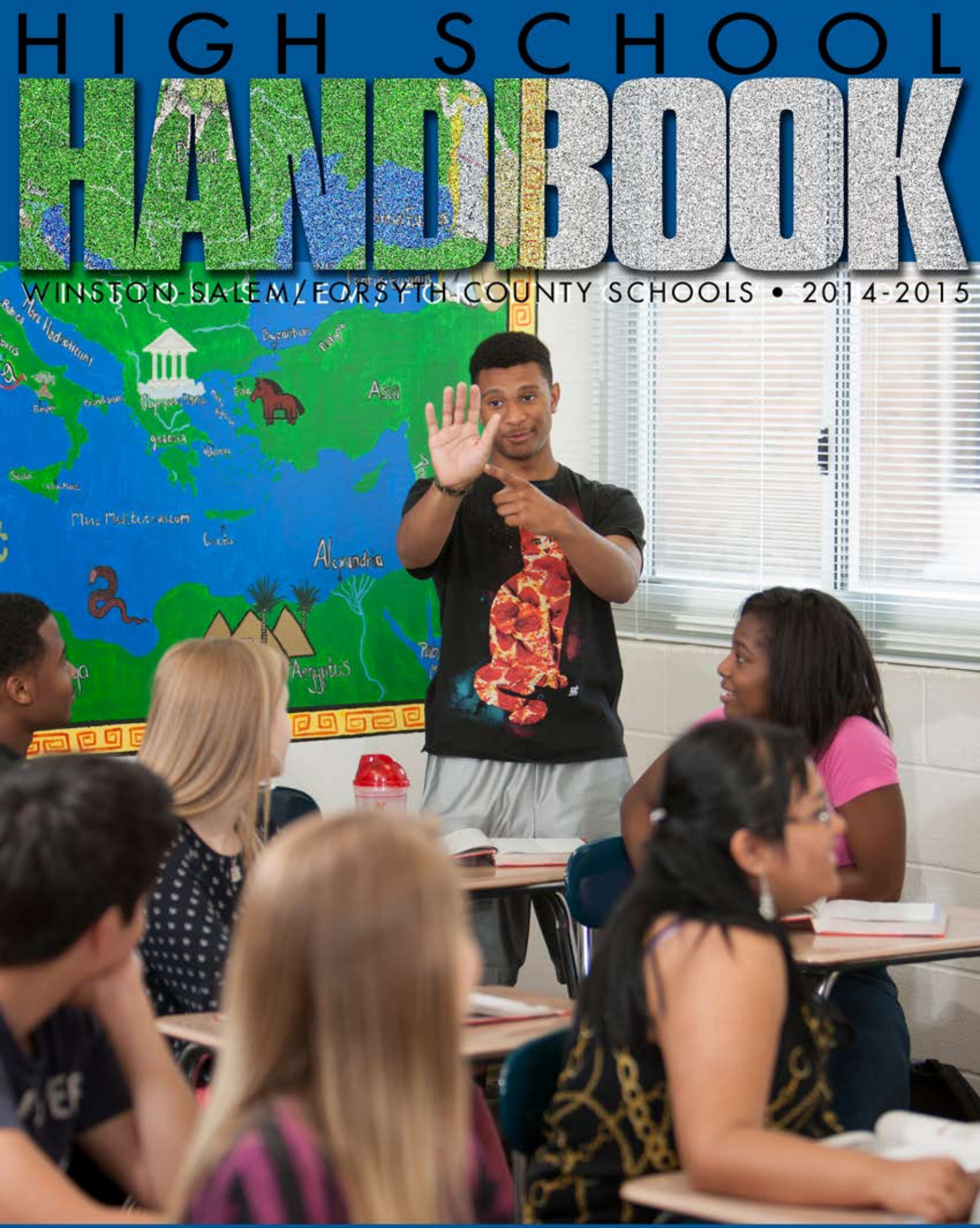
HIGH SCHOOL HANDBOOK

WINSTON-SALEM/FORSYTH COUNTY SCHOOLS • 2014-2015



PLANNING AHEAD, COURSE DESCRIPTIONS AND OPTIONS

Making Good Choices

I am pleased to welcome you to *High School Registration 2014-15*. You will make important choices and decisions as you register for next year's classes, and this book will give you important information about the many options and opportunities our high schools offer. In addition to required core classes such as English, math, social studies and science, you can broaden your interests and choose from many electives. Consider courses in areas such as the arts, career-and-technical education, foreign languages and military science/JROTC when you choose your electives.

Students in the Classes of 2015, 2016, 2017 and 2018 will be among the first classes to fulfill graduation requirements under the Future-Ready Core Course of Study. The Future-Ready Core is intended to prepare you for college, career and the world of work. Requirements for the Future-Ready Core are provided throughout this book to help you with your registration decisions.

The 2014-15 school year brings opportunities for students to enroll in our regular high schools and seven district-wide magnet programs. Be sure to read more about the magnet programs on pages 31-34. John F. Kennedy High School graduates its first class in 2014 after its expansion to four career academies. Winston-Salem Preparatory Academy has an innovative blended learning program for ninth-graders with the help of the Thurgood Marshall Scholarship Fund. Students in the program will receive a laptop, classroom and virtual instruction, and college scholarships if they earn qualifying grades.

High schools will continue to use a block schedule. Most classes will last 90 minutes and one semester, with some classes, such as arts, foreign language and AP and IB classes, alternating days for yearlong instruction. More information is available on page 2, and additional information will also be provided at school registration meetings.

Finally, students who take Advanced Placement courses are required to take the AP exam, or their course grades will be decreased by one letter grade. Students must pay for each AP exam. More information about this requirement is on page 8.

It is my hope that you will use this handbook as you carefully consider all that awaits you as you enter high school or continue your high school career. During this exciting time, the opportunities are many and the decisions are important. Your teachers, counselors and principals are available to help you with any questions you may have about our classes and programs. We will all work together with you and your family to make your high school experience as successful as it possibly can be.

Beverly R. Emory, Superintendent

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Winston-Salem/Forsyth County Schools offers a free and appropriate public education to all students without regard to race, sex, religion, ethnic origin or handicapping condition.

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Graduation Requirements

In order to graduate, students must complete the **Future-Ready** course of study. These courses are designed so that all students graduate prepared for post-secondary education and careers. Students who do not complete the courses of study approved by the State Board of Education will not receive a diploma.

Individual course selections will vary depending on a student's post-secondary plans.

The Occupational Course of Study is for some students with certified disabilities and an Individualized Education Program (IEP). This course of study includes work requirements.

Please refer to the charts on pages 4 and 5 for more information.

Students who do not complete all local and state requirements may be eligible for a graduation certificate.

Students with disabilities

Students with certain cognitive disabilities may receive a diploma if they complete the Occupational Course of Study outlined on page 5.

The Block Schedule

All schools use the block schedule. Courses are scheduled primarily in a 90-minute 4X4 semester block format with specific courses scheduled on a 90-minute, A Day/B Day yearlong format. Every attempt will be made to balance student schedules between academic and elective classes each semester. If at all possible, no student will have more than one semester between taking sequential math classes.

The modified block schedule is used because it offers these advantages:

- Greater choices of courses for students.
- Flexibility to offer students who need additional assistance in specific subjects a second class in the same subject in the same school year.
- Acceleration and credit recovery possibilities.
- Longer class periods encourage teaching with a variety of instructional methods.
- More instructional time because less time is wasted starting and ending classes with fewer class changes.
- Fewer class changes improve school climate and discipline.
- Improved teacher-student relationships because teachers see fewer students each day.

AP, IB, Arts, Foreign Language, Newspaper and Yearbook classes will be taught in an A Day/B Day yearlong block.

Math classes will vary. Introductory Math, Foundations of Common Core Math I, Foundations of Common Core Math II, Advanced Functions and Modeling and Discrete Mathematics will be taught in a semester block.

Pre-Calculus will be taught in an A Day/B Day yearlong block.

Math I, II and III will be taught on yearlong and semester blocks.

Promotion

The Classes of 2015-18 need 5 units for promotion to grade 10, 9 units for promotion to grade 11, and 15 units for promotion to grade 12.

Course levels

Before signing up for courses, you and your parents will be given information to guide you in the registration process. Factors to consider include course demands, your preparation and your future plans, including course of study.

Regular level courses meet the requirements for college/university prep, college tech-prep or career prep and Future-Ready Core courses of study.

Honors level courses prepare you for college/university study. Grades in these courses receive an additional quality point.

Honors Seminars are offered to ninth- and 10th-graders in English and social studies. These courses are designed for students who have been in the self-contained gifted program, but they also are open to other qualified students.

International Baccalaureate Middle Years Programme courses are offered to ninth- and 10th-graders. These courses prepare you for IB Diploma and AP courses. Grades in these courses receive an additional quality point. Students complete a personal project and 150 hours of community service.

Advanced Placement (AP) courses are college-level studies for which you may receive advanced standing and/or credit from a college.

They are offered in the 10th (with permission), 11th and 12th grades. Ninth-grade students may enroll in AP World History. Grades in AP courses receive two additional quality points with the completion of the AP exam.

International Baccalaureate Diploma courses are offered in the 11th and 12th grades. They are college-level studies for which you may receive advanced standing, credit from a college or both. Grades in IB Diploma courses receive two additional quality points with the completion of the IB exam.

Course Credit

One-Unit Credit Courses: Most courses are offered only as one-unit credit courses. Previously, most courses were two part courses awarding one-half unit of credit. Yearlong courses will award credit at the end of the school year. Block courses will award credit at the end of the 18 week course (January or June). All core classes will be one-unit credit courses. In addition, some elective classes will be one-unit credit courses.

Half-Unit Credit courses: Courses that are one semester will continue to receive a half-unit of credit. Only elective classes will be half-unit credit courses.

Unweighted (GPA)

Grades in a one-unit course earn grade points: A = 4, B = 3, C = 2, D = 1.

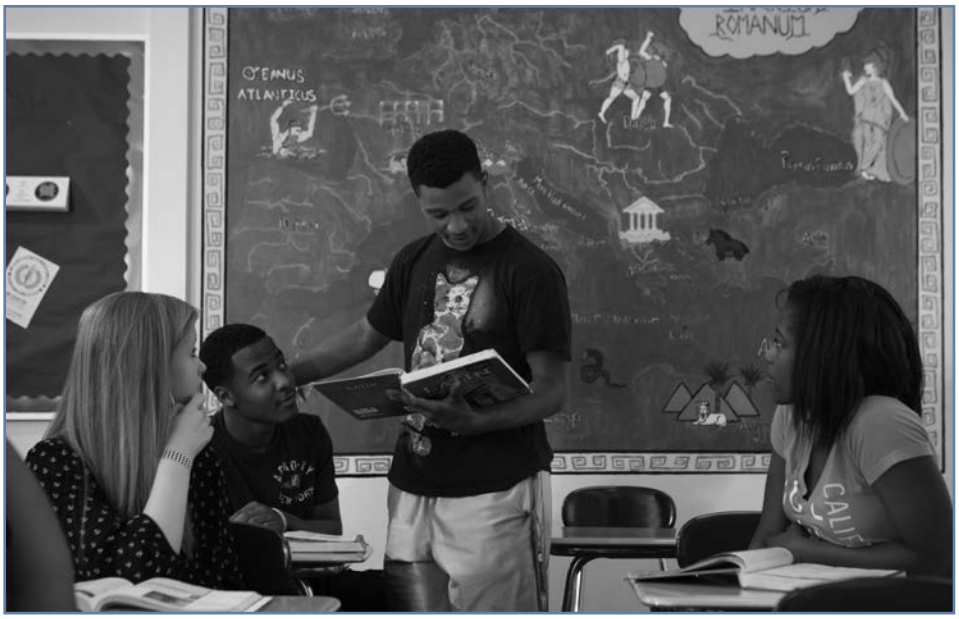
The points earned are divided by the number of units attempted to determine the grade point average (GPA).

Eligibility for North Carolina Academic Scholar recognition, National Honor Society, and athletic or extracurricular activities is based on an unweighted GPA.

Weighted (QPA)

Grades in a one-unit course earn the following quality points. The points earned are divided by the number of units attempted to determine the quality point average.

	Regular	Honors	AP/IB
A	4	5	6
B	3	4	5
C	2	3	4
D	1	2	3



Course Recommendations and Assignments

WS/FCS uses course assignment principles to register students for core classes. Course recommendations rely heavily on end-of-grade (rising ninth-graders) and end-of-course (rising 10th-, 11th-, and 12th-graders) exams. Utilizing standardized course scores assists in having students enroll in the most challenging and rigorous courses. Parents who want their child to take a course that is less rigorous than recommended by test scores can request a different course. Students and parents are strongly encouraged to discuss course recommendations with teachers and counselors early in the registration process.

Class rank

Class rank is figured two ways: unweighted and based on grade point average (GPA); and weighted, based on quality point average (QPA). Only the weighted class rank is shown on transcripts. Rank is calculated at the end of the freshman and sophomore years and after each semester for juniors and seniors.

Early graduation

Students who participate in school system and dual-enrollment opportunities may be eligible to graduate in less than four years. For information, see pages 4, 5 and 8.

If you meet the school system's graduation requirements before you have completed four full years, you may submit a written request to graduate early before registering in the spring of your junior year.

If you are not 18, your parents must give written permission. Check with your school counselor to make sure that you have met all the requirements and paid all fees.

Your principal will consult with the assistant superintendent for high school administration to decide whether to grant your request. If you graduate early, your diploma can be mailed to you, or you may receive it at the graduation ceremony for your class.

Repeat courses

A course may be repeated when it is required for graduation or the student seeks to improve their performance. When a student repeats a course, both course attempts will appear on the transcript and both grades will be calculated into the GPA/QPA. Course credit will be granted only once.

Credit Recovery

Credit recovery is when a student takes a block of instruction that is less than an entire course in order to make up credit for a previously failed course. All credit recovery courses will receive a grade of Pass/Fail only. See your counselor for more details about credit recovery.

N.C. Academic Scholar

To receive the N.C. Academic Seal of Recognition on your diploma, you must have a 3.5 GPA in the following subjects: Algebra I and II, Geometry, and a more advanced math if you took Algebra I in middle school, OR Math I, II and III, plus a higher level math course; Physics or Chemistry, Biology and an earth/environmental science course; two years of the same foreign language; and four elective credits constituting a concentration recommended from CTE, JROTC, the arts, foreign language or other areas.

These requirements are in addition to Winston-Salem/Forsyth County Schools course requirements.

Transfers

You may apply to transfer to a different high school during the designated enrollment time, which is held during the registration period.

The transfer period is Jan. 27 to Feb. 5.

Students transferring within WS/FCS will be disqualified from athletic eligibility for 365 days, except students who transfer during the designated choice or out-of-zone periods, and except for students who have a bona fide change in domicile. Students with a bona fide change in domicile will be ineligible for the sports season during which they transferred. Students denied eligibility may appeal to the athletic committee.

Students transferring from outside WS/FCS (including charter, private and out-of-county schools) will be disqualified from athletic eligibility for 365 days. Their only appeal right is to the N.C. High School Athletic Association.

Eligibility for athletics and extra-class activities

To participate in interscholastic athletics, you must meet the requirements set by the N.C. High School Athletic Association, as well as rules established by the Winston-Salem/Forsyth County Board of Education. To qualify under state rules, you must:

- Have no more than eight consecutive semesters in attendance nor more than four seasons of participation in any sport since entering grade 9;
- Be under 19 years of age on or before Aug. 31;
- Be in school 50 percent of any student day on which there is an athletic contest;
- Have passed three courses in the previous semester;
- Must be in attendance for 85 percent of the previous semester at an approved school;
- Have medical insurance;
- Have a medical exam within the last year;
- Have a medical release if you have missed five or more days of practice because of illness or injury.

Local requirements also affect athletics and extra-class activities. Extra-class activities are those that are optional, authorized by schools and for which you do not receive a grade. To be eligible to participate in high school athletics and extra-class activities, you must:

- Be absent no more than 10 days in the previous semester or term.
- Earn a 2.0 QPA (Quality Point Average) the previous quarter. A student whose QPA the previous quarter is less than 2.0 will be put on academic support, which requires mandatory tutoring several times a week and no unexcused absences. A student who earns a QPA of 2.0 or greater during a quarter while on academic support will be taken off academic support. If a student is on academic support for two consecutive quarters and does not earn a QPA of 2.0 or greater, he or she will be ineligible for extra-curricular activities for the next academic quarter.

Credit recovery does not help a student's GPA because it counts as pass/fail. Students who participate in athletics or extra-class activities may need to take a course again to receive credit towards eligibility.

All ninth-graders are eligible to participate during the first quarter. If you are a ninth-grader and do not have a 2.0 QPA at the end of the first quarter or any subsequent quarter, you will be put on academic support, which requires mandatory tutoring several times a week and no unexcused absences.

NCAA Clearinghouse

To compete in NCAA athletics in college, you must meet graduation requirements. The minimum SAT or ACT score required for NCAA eligibility is determined on a sliding scale based on your grade-point average. Division I students must earn 16 credits in core courses. The 16 courses include four years of English; three years of math (Algebra I or higher); two years of science; one additional year of English, math or physical science; two years of social science; and four years of additional courses from any area above or foreign language or nondoctrinal religion/philosophy. Beginning in August 2016, 10 of those courses must be completed before a student's seventh semester. Seven of those 10 must be a combination of English, math and science. Credit recovery does not count toward NCAA eligibility.

For Division II, an SAT score of 820 or ACT score of 68 and 16 core credits are required.

The NCAA has a central clearinghouse (www.ncaaclearinghouse.net) to certify athletic eligibility to Division I and II institutions. Students who intend to participate with or without a scholarship as a freshman in college must register with and be certified as eligible by the NCAA Initial-Eligibility Clearinghouse.

Prospective athletes also must answer several questions to determine if they meet the amateur requirements of the NCAA.

Initial-eligibility certification pertains only to NCAA requirements for participation in Division I or II athletics and has no bearing on admission to a particular institution.

Please see your high school counselor for registration materials.

Plan Your Course of Study

Future Ready Core

All students are expected to meet the requirements outlined under the Future-Ready Core Course of Study. The total number credits required for graduation is 21 for the Class of 2015. The Classes of 2016 and 2017 need 22 credits to graduate because of an additional social studies requirement. The Classes of 2017 and 2018 also must take CPR, which is included in Life Management Skills (p. 16).

Students must complete English I, II, III and IV.

Beginning with the 2013-14 school year, WS/FCS adopted a single math sequence of Math I, Math II and Math III for all students. See page 16 for more information. To graduate, students must complete four units in Math, including Math I, Math II and Math III and one additional math based on student's post-secondary plans. To satisfy college admissions requirements, students must complete a math course that is beyond Algebra II or Integrated Math III.

In science, students must complete four units, including a physical science course, Biology, earth/environmental science, and one other science course.

Three units of social studies are required for the Class of 2015. The three units are World History, Civics and Economics, and U.S. History. The Classes of 2016 and beyond need four units of social studies: World History, Civics and Economics, and American History I and II (or AP/IB U.S. History and one additional course).

One unit of physical education, 1/2 unit of health, and 1/2 unit of Life Management Skills also are required. JROTC can be substituted for Life Management Skills.

Under the four total elective units required for graduation, two elective credits can be taken from one of the following areas of focus: Career and Technical Education, ROTC, Arts Education, second language or any other subject area (e.g. mathematics, science, social studies, English). The remaining two electives must be any combination from Career and Technical Education, Arts Education or Second Languages. Please note: students planning to attend college must complete two units of a second language to meet college admissions requirements.

Class of 2015 Future Ready Core Course of Study

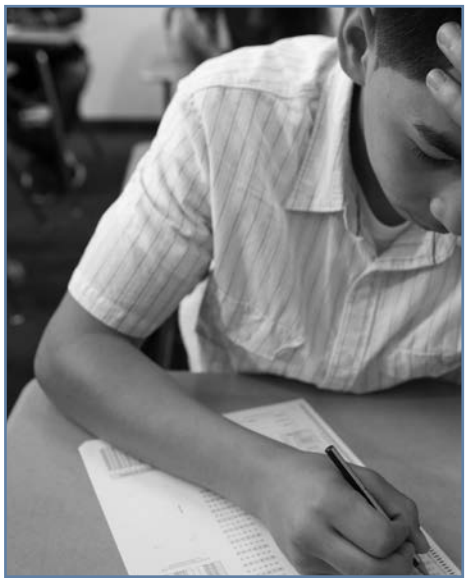
Subjects	Work Force or Community College	UNC System Minimum Admissions Required	Occupational
English	4 units (I, II, III, IV)	4 units (I, II, III, IV)	4 units of Occupational English
Mathematics	4 units, including Algebra I, Geometry and Algebra II **OR** Integrated Math I, II, III and one additional credit based on post-secondary plans	Algebra I, Geometry, Algebra II and one unit beyond Algebra II **OR** Integrated Math I, II & III, and one unit beyond Integrated Math III	3 units of Occupational Mathematics
Science	4 units (Biology, a physical science, Earth/Environmental Science and one additional course)	4 units (Biology, a physical science, Earth/Environmental Science and one additional course)	2 units of Occupational Science
Social Studies	3 units (World History, Civics and Economics, U.S. History)	3 units (World History, Civics and Economics, U.S. History)	2 units of Occupational Social Studies
Phys. Ed. and Health	1 unit Physical Education, Dance or JROTC-PE II 1/2 unit health	1 unit Physical Education, Dance or JROTC-PE II 1/2 unit health	1 unit Phys. Ed. 1/2 unit health
Life Mgmt. Skills	1/2 unit (or JROTC)	1/2 unit (or JROTC) *(includes CPR training, required for the Class of 2015)*	not required
Foreign Language	not required	2 units in one language	not required
Electives (2)	Any combination of Career Technical Education, Arts Education or Second Language		4 units in Career Technical Education pathway
Electives (2)	Any two electives from CTE, JROTC, Arts Education, Second Language or any other subject area		not required
Electives or other requirements	not required	not required	6 units Occupational Prep
Totals	21 Units	21 Units	

Occupational Course of Study

The Occupational Course of Study (OCS) is for students with cognitive disabilities who have a current Individualized Education Program (IEP), and who are not enrolled in the Future Ready Core Course of Study. OCS must be selected by the student's IEP committee. OCS is designed for students who intend to seek employment after high school. Requirements for graduation with a North Carolina diploma are:

- Four units of English: Occupational English I, II, III and IV
- Three units of Occupational Math (OCS-Introductory Mathematics; OCS-Algebra I; OCS-Financial Management)
- Two units of Occupational Social Studies
- Two units of Occupational Science (Occupational Applied Science and Occupational Biology)
- One unit of physical education and ½ unit of health and ½ unit of Life Management Skills.
- Four units of a career pathway in a career/technical area.
- Six units of credit in courses titled Occupational Preparation are required.

Occupational Prep courses include 300 hours of school-based training, 240 hours of community-based training, and 360 hours of paid employment. A career portfolio and presentation also are required.



Classes of 2016 and beyond Future Ready Core Course of Study

Subjects	Future-Ready Core	Occupational
English	4 units (I, II, III, IV)	4 units of Occupational English
Mathematics	4 units, including Algebra I, Geometry and Algebra II **OR** Math I, II and III **OR** Integrated Math I, II, III and one additional credit based on post-secondary plans (Eligible courses include Advanced Functions and Modeling, Discrete Math, Pre-Calculus, Integrated Math IV, AP Statistics, AP Calculus AB or BC, IB Math I and II and IB Math Studies I and II. Some Career Technical Education Courses are also eligible, including Accounting II, AP Computer Science and Electronics I.)	3 units of Occupational Mathematics
Science	4 units (Biology, a physical science, Earth/Environmental Science and one additional course)	2 units of Occupational Science
Social Studies	4 units (World History, Civics and Economics, and American History I and II or AP/IB U.S. History and one additional course)	2 units of Occupational Social Studies
Phys. Ed. and Health	1 unit Physical Education, Dance (or JROTC-PE II)* 1/2 unit Health	1 unit Phys. Ed. 1/2 unit Health
Life Mgmt. Skills	1/2 unit (or JROTC) *(includes CPR training, required for graduation)*	not required
Electives (2)	Any combination of Career Technical Education, Arts Education or Second Language	4 units in Career Technical Education pathway
Electives (2)	Any two electives from CTE, JROTC, Arts Education, Second Language or any other subject area	not required
Electives or other requirements	not required	6 units Occupational Prep
Totals	22 Units	

My Education and Career Plan

Name: ..... School: ..... Grade .....

Course of Study:

☐ Future Ready Core

☐ Occupational Prep

All students must complete a math sequence that include Algebra I, Geometry, Algebra II, or Math I, II, and III and a 4th math that meets your post-secondary plans. Please see your counselor if you have questions.

***Any combination of two (2) Career Technical Education, Arts Education or Foreign Language credits is required.**

°American History I and II required for students in the Class of 2016 and beyond.

9	10	11	12	Graduation Requirements
English I	English II	English III	English IV	4
Algebra I/Math I	Geometry/ Math II	Algebra II/ Math III	Math	4
Science	Science (Biology)	Science	Science	4
World History	Civics and Economics	U.S. or American History I°	American History II°	3 or 4
PE or Dance / Life Mgmt. Skills	PE or Dance / Health & Safety	Elective	Elective	1 / 1
Elective*	Elective*	Elective*	Elective*	2
Elective / Elective	Elective / Elective	Elective / Elective	Elective / Elective	2
Total: 8	**8**	**8**	**8**	**21 or 22**

English	☐	☐	☐	☐
Math	☐	☐	☐	☐
Science	☐	☐	☐	☐
Social Studies	☐	☐	☐	☐
Physical Education	☐	☐		
Life Skills	☐			
Health	☐			

☐ Core or Required Courses

▒ Electives

Arts	▒	▒	▒	▒
Career Technical Ed.	▒	▒	▒	▒
Foreign Language	▒	▒	▒	▒
Military Science	▒	▒	▒	▒
Other	▒	▒	▒	▒

Post-Secondary Goals:

☐ 4 year College
☐ 2 year College
☐ Military
☐ Work

Possible Careers:

Explore & Plan:

Student .....

Date .....

Parent .....

Date .....

Counselor .....

Date .....

WS/FC Schools

Career Center

The Career Center moved to a new, state-of-the-art facility in January 2012. The school is located on the Kennedy campus at 910 Highland Court.

The Career Center is an extension of the regular high schools and offers Advanced Placement courses, Career and Technical courses, and courses in Chinese, Japanese, German, U.S. History, environmental science, electronic music and music history at the regular and honors level.

There is no tuition charge for any Career Center course, although some fees do exist.

Bus transportation is provided to and from home high schools twice daily; students wanting to take advantage of bus transportation need to choose three units of credit at Career Center. Students may also drive their own cars.

Counseling and career guidance services can help you in academics and personal development.

Courses offered at the Career Center are shown in blue in the course listings and descriptions.

Advanced Placement Courses

Advanced Placement (AP) courses are offered at the Career Center in art, computer science, English, foreign languages, mathematics, music, psychology, science and social studies. The Career Center offers the full range of available AP courses.

The classes meet for one period each day, except for the AP Art Portfolio courses, which meet for two.

Visit apcentral.collegeboard.com for more info on Advanced Placement courses.

Career and Technical Courses

Career and Technical courses are offered at the Career Center for juniors and seniors in health occupations, family and consumer sciences, technology, and trade and industrial education. They provide pathways to college after high school as well as pathways straight into the workforce.

Specific competencies are established for each program with the help of an advisory committee of local employers.

Students enrolled in these courses spend about half of their school day – three periods – at the Career Center, taking the technical class for two periods and one other required class.

Jobs paying high salaries are immediately available after graduation for students who demonstrate the appropriate skills. About two-thirds of students in the career and technical programs continue their education after high school at a technical or four-year college.

Extended School Day Program

The Extended School Day Program is an extension of the regular high school program. Located in the Career Center, it operates Monday through Thursday in the evenings. It offers the basic courses of study required for high school graduation. Enrollment is open to students who have failed a required course. Extended day becomes Summer School each July.

Visit Career Center's website at http://wsfcs.k12.nc.us/careercenter for detailed information on schedules and courses.

Career Center Schedule

1st period	*8:00 - 8:50*
(1/2CTE)	8:30 - 10:00
2nd period	*9:14* - 9:59
3rd period	10:02 - 10:48
4th period	10:51 - *11:36*
6th period	*12:45* - 1:32
7th period	1:35 - 2:21
8th period	2:24 - *3:10*

Bus times in italics.

Earning College Credit in High School

You have several opportunities to earn college credit for courses taken while you are in high school. These courses give you high school graduation credit, may exempt you from introductory college courses, and may allow you to get college graduation credit.

Advanced Placement Courses

If you are planning to attend a four-year college, you should consider taking one or more Advanced Placement courses in your junior and senior years.

These are challenging courses that follow a national curriculum and require extensive reading and outside assignments. To receive full credit, students must take the AP exams given by the College Entrance Examination Board. **If students do not take the exam, their final course grade will be reduced by one letter grade.**

Students are required to decide during the first quarter/term of the AP course whether they will take the exam. **Taking the exam is required if you seek college credit for the courses.**

The AP exam fee is currently $89. Students are responsible for all exam fees.

Scores on this exam and the requirements of a particular college will determine how much advanced placement credit you earn.

If you score a 3 or better on a five point scale (some colleges may require a 4 or 5 for specific courses) on the exam, you can earn college credit or advanced college placement. Some students earn enough to enter college with one or two semesters of credit, which can save time and money.

AP courses also can help you develop study skills that will enhance your chances of success in higher education and in life.

Several AP classes are available at all high schools, including English Literature and Composition, English Language and Composition, Calculus AB, U.S. History, World History, Human Geography, Psychology, Environmental Science, French and Latin. In addition, 33 AP courses are offered at the Career Center:

AP Art — Drawing; AP History of Art
AP Art Portfolio 2-D; AP Art Portfolio 3-D
AP English — Composition & Literature
AP English — Language & Composition
AP French — Language; AP French-Literature
AP German — Language
AP Japanese
AP Latin
AP Spanish — Language
AP Spanish-Literature
AP Calculus AB
AP Calculus BC
AP Computer Science A
AP Computer Science AB
AP Statistics
AP Music Theory
AP Biology
AP Chemistry
AP Environmental Science
AP Physics I
AP Physics II
AP European History
AP Government & Politics: U.S.
AP Government & Politics: Comparative
AP World History
AP Human Geography
AP Microeconomics
AP Macroeconomics
AP United States History
AP Psychology

International Baccalaureate Courses (at Parkland IB High School)

The IB Diploma Programme was created in 1968. It is a demanding pre-university course of study that leads to exams. It is designed for highly motivated secondary school students. The programme has earned a reputation for rigorous assessment, giving IB diploma holders access to the world's leading universities. The grading system is criterion-referenced, which means that each student's performance is measured against well-defined levels of achievement. These are consistent from one examination session to the next and are applied equally to all schools. Students must complete the IB exams in order to receive the additional quality points. Parkland offers 24 IB courses:

IB English III & IV
IB French IV & V
IB Spanish IV & V
IB German IV & V
IB Latin IV & V
IB History of the Americas
IB 20th Century World Topics
IB Theory of Knowledge
IB Philosophy
IB Math Studies I & II
IB Math I & II
IB Art I & II
IB Theatre Arts I & II
IB Music
IB Dance
IB Biology I & II
IB Chemistry
IB Physics
IB Environmental Science
IB Instructional Technology
IB Psychology I & II
IB Information Technology in a Global Society I & II

Early College of Forsyth

The Early College of Forsyth provides students the opportunity to receive college transfer credit while still in high school. Students may earn one to two years of college credit and an Associates Degree in Arts or Science from Forsyth Technical Community College. Students attend classes on Forsyth Tech's campus as their high school. The program is tuition-free, and all college books are provided. All high school and college courses receive honors credit. In addition to high school courses, students take the following college courses:

Students will take college courses required to complete the AA or AS degrees while they are enrolled in this program in grades 9-12 with a possible fifth year. Students must be ready to take college courses the first semester of ninth grade.

Forsyth Technical Community College

Articulated Courses

Forsyth Technical Community College and WS/FCS have an agreement that allows students to outline specific high school programs of study that will grant them advanced standing credit when they enroll in a community college upon graduation from high school.

The agreement allows students in high school to take academic and career and technical courses that will exempt them from certain required courses at the community college level. Forsyth Tech has outlined many programs of study in degree and diploma programs of study for which students can receive advanced standing credit. A complete list is found beginning on page 42.

These articulated courses require the student to meet the prerequisites for the high school course and receive a grade of B or better. If the prerequisites are met, the student is exempted from the placement test in that subject area

Students are encouraged to declare that they are a college-tech prep student and work with their high school counselor to register and select the correct sequence of courses in grades 9 through 12. The final high school transcript must indicate successful completion of the correct sequence of courses with a grade of B or better.

Career and College Promise

Through the Career and College Promise program, qualified high school students can begin their two- or four-year college work, tuition free, while they are in high school — allowing them to get a head start on their workplace and college preparation. The goal of the program is to prepare students for life after high school, whether that's at college or in a career.

The program is free to all students who maintain a "B" average and meet other eligibility requirements.

The program is offered through Forsyth Tech and WS/FCS. Classes follow the Forsyth Tech calendar, and tuition is waived for fall and spring semesters. Students must pay for their books and fees.

Students can choose from College Transfer and Career Technical pathways.

College Transfer Pathways

Students can choose from four college transfer pathways:

- Business and Economics
- Humanities and Social Sciences
- Engineering and Mathematics
- Life and Health Sciences

Career Technical Pathways

Students can choose from several Career Technical Pathways. They are listed beginning on page 40.

Requirements:

- Must be a junior or senior and 15 or older
- Weighted GPA of 3.0 on all high school courses or principal recommendation
- Meet prerequisites for all courses
- Demonstrate college readiness by achieving placement test scores

Application: Turn in the following to Forsyth Tech's Office of Educational Partnerships:

- Forsyth Tech Application
- Permission Form
- Official high school transcript
- Official test scores

For more information about College and Career Promise, please call 734-7466.

Dual Enrollment: Salem College, Wake Forest University, and Winston-Salem State University

You may enroll for credit at Salem College, Winston-Salem State University or Wake Forest University in elective courses that are not offered as part of the school system's curriculum.

You are responsible for tuition charges, books, and transportation. Wake Forest no

longer offers a reduced tuition for school system students and has modified its admissions requirements for the program.

You must have the written approval of your principal and the admissions office of the respective college or university **before** you can enroll in any program or class offered. The special application for admission can be found in school counseling centers. When they apply, students must decide whether the course is for enrichment or credit. All courses taken for credit are honors level unless AP credit is requested and granted by the assistant superintendent for high school administration.

Students must present the application for admission to the Admissions Office of the respective college or university on or before the published registration day. Once enrolled, you are subject to all of the college's rules and regulations.

Three to five semester hours will be required for a course to count for one unit of high school credit toward graduation.

There is no limit on the number of units you may take, as long as you get prior approval from your principal.

N.C. Virtual Public Schools (NCVPS)

With a principal's approval, students can take online courses from NCVPS. These courses are available to students who have scheduling conflicts, need a course that is not offered at their school or for seniors who need a course to meet graduation requirements. The courses are semester-long, year-long or nine weeks (Health). NCVPS offers more than 100 courses, including AP courses, art and music, career and technical education, English, math, science, social studies, world languages, health, occupational course of study, test prep, honors courses and electives for sixth- through 12th-grade students. A full course list can be found at www.ncvps.org/index.php/courses/catalogue/ or the school district's NCVPS website at wsfcs.k12.nc.us//Domain/21.

The guidelines for enrolling in NCVPS courses and the eLearning Permission form also can be found on the school district's NCVPS website. Please ask your school counselor for more information.

Other Opportunities

Other colleges and universities may offer correspondence, summer or special courses that can give you both college and high school credit. You must have approval in advance for any such course to receive high school credit in addition to the credit offered by the institution.

The SAT

Students take the SAT for college admissions. The test includes three sections: Critical Reading, Mathematics, and Writing.

The SAT assesses student reasoning based on knowledge and skills developed by the student in school coursework. The SAT improves the alignment of the test with current curriculum and institutional practices in high school and college.

By including a third measure of skills – writing – the SAT helps colleges make better admissions and placement decisions. In that way, the SAT reinforces the importance of writing throughout a student's education.

While most colleges and universities look at scores in critical reading and mathematics, they differ in how they look at writing scores. Please ask the college's admissions officers for information.

What is included in the SAT?

Writing – includes multiple-choice questions (grammar and usage) and student-written essay.

Critical Reading (formerly Verbal) – analogies were eliminated in 2005 and short reading passages were added to existing long reading passages.

Math – content was expanded to include topics from third-year college preparatory math (Algebra II or Integrated Math III); quantitative comparisons were eliminated.

The SAT lasts 3 hours and 45 minutes. Test scores for each section are within a range of 200-800.

Students can register online for the SAT at **www.collegeboard.com** or pick up registration forms in your school's counseling office.

The ACT

Beginning in March 2012, juniors will take the ACT. The test assesses high school students' general educational development and their ability to complete college-level work.

North Carolina is requiring the test to measure whether schools are preparing students for colleges and careers after school. Sophomores will take the PLAN test, which prepares students to take the ACT.

- The multiple-choice tests cover four skill areas: English, mathematics, reading, and science.
- The Writing Test, which is optional, measures skills in planning and writing a short essay.

Many colleges also use the ACT as an admissions test. Check with the college to see it requires the ACT or SAT.

For more information, log onto http://www.act.org/stateservices/northcarolina/ or http://www.act.org

Courses Offered

Visual Art

Note: You may earn honors credit for up to four courses in each music area.

Beginning Visual Art (54150X0H10)
Study art history, art criticism, and aesthetics through studio exploration of two- and three-dimensional fine art, craft media and techniques.

Intermediate Visual Art (54162X0H10)
Expand study of art history, art criticism and aesthetics through studio exploration of fine art and craft media and techniques. Prerequisite: Beginning Visual Art; complete K-8 visual arts progression of coursework; or passing score on Beginning Advancement Assessment.

Proficient Visual Art (54175X0H10 *Honors)*
Specialized study of materials, techniques, historical and critical concepts in one area each quarter. The honors course requires in-depth research and portfolio assessment. Prerequisites: Intermediate Visual Art; or Beginning Visual Art/complete K-8 visual arts progression of coursework and passing score on the Intermediate Advancement Assessment.

Advanced Visual Art (54185X0H10 *Honors)*
Study of materials, techniques, art history, and criticism in one area each quarter. Requires in-depth research and portfolio assessment. Prerequisite: Proficient Visual Art.

Art for Engineers (54622X0H1S) *Atkins only*
Students will receive an intensive study of 3D design fundamentals and creative problem solving to develop skills needed in engineering, visualization, technology and visual art. Emphasis will be on 3D art making, using a wide range of media and materials. Prerequisites: Beginning Visual Art; complete K-8 visual arts progression of coursework; or passing score on the Beginning Advancement Assessment.

Seminar in the Arts (96102X0H20) *Reynolds only*
Sample course offerings in Cultural Languages, Theatre Arts, Choral Music, Instrumentation, Creative Writing, Movement/Dance, Dramatic Interpretation, Readings in the Arts, and Careers in the Arts. Each experience is designed to lay the foundation for building literacy and 21st Century workplace skills.

AP Art Drawing (54527X0H10) *AP - Career Center and Reynolds*
Develop skills in drawing. Activities are in four major areas of perceptual, expressive, formal, and conceptual techniques. Portfolio development will prepare you for college or art school. Prerequisites: Intermediate Visual Art; or Beginning Visual Art/complete K-8 visual arts progression of coursework and passing score on the Intermediate Advancement Assessment.

AP Art Portfolio 2-Dimensional (54537X0H10)
Two Periods - AP - Career Center and Reynolds
Apply research to produce two-dimensional art using media and techniques including painting, surface design, printmaking, weaving, collage, papermaking, batik, digital imaging and photography. Portfolio development will prepare you for college or art school. Prerequisites: Intermediate Visual Art; or Beginning Visual Art/complete K-8 visual arts progression of coursework and passing score on the Intermediate Advancement Assessment.

AP Art Portfolio 3-Dimensional (54547X0H10)
Two Periods - AP - Career Center and Reynolds
Apply research to produce three-dimensional art using media and techniques including sculpture, architectural models, apparel, ceramics, assemblage, cast forms, fiber arts and metalwork. Portfolio development will prepare you for college or art school. Prerequisites: Intermediate Visual Art; or Beginning Visual Art/complete K-8 visual arts progression of coursework and passing score on the Intermediate Advancement Assessment.

AP Art History (54477X0H10) *AP - Career Center and Reynolds*
Learn to examine works of art. Study art from other times and cultures in this intense, academic, non-studio course.

IB Art (54498X0H10) *Parkland*
Research and integrate visual art in various forms. This course provides students with opportunities to make personal, sociocultural and aesthetic experiences meaningful through the production and understanding of art. Promotes visual and contextual knowledge of art from various cultures. Junior- or senior-year course. Students are eligible for the IB SL Visual Art Assessment upon completion of this course.

IB Art II (54498X0H20) *Parkland*
Continue to study various artworks through experimentation and purposeful creative work in various expressive media. Senior-year course. Students are eligible for the IB SL or HL Visual Art assessment upon completion of this course. Prerequisite: IB Art I.

Dance

Beginning Dance (51152X0H10)
Examine dance as a form of communication and develop a strong technique base in contemporary and classical styles to improve strength, flexibility, and endurance. Explore basic concepts of choreography and performance within small group works and concert work. Students will examine implications of world history on master works of dance and identify optimal health and nutritional strategies.

Dance A (63022X0H3S) *Semester*
Examine dance as a form of communication and develop a strong technique base in contemporary and classical styles to improve strength, flexibility, and endurance. Explore basic concepts of choreography and performance within small group works and concert work. Students will examine implications of world history on master works of dance and identify optimal health and nutritional strategies. Provides required PE credit.

Dance B (63022X0H4S) *Semester*
Examine dance as a form of communication and develop a strong technique base in contemporary and classical styles to improve strength, flexibility, and endurance. Explore basic concepts of choreography and performance within small group works and concert work. Students will examine implications of world history on master works of dance and identify optimal health and nutritional strategies. Prerequisite: Dance A or audition. Provides required PE credit.

Additional arts courses are available through the arts magnet program at Reynolds High School. Please call 703-4145 for more information or visit wsfcs.k12.nc.us/cms/lib/NC01001395/Centricity/Domain/1394/Visual-ArtsCourses%20at%20RJR%202013.pdf

Intermediate Dance (51162X0H10)
Develop advanced technique, create dance choreography and study dance history. Expand your knowledge of dance forms, improve performance capability and improve technique through a dynamic study of anatomy. Requires sophisticated performance technique, proficiency in creating individual works, small group dances, and analysis of choreographic forms. Prerequisite: Beginning Dance or a K-8 progression in Dance.

Proficient Dance (51175X0H10 *Honors)*
Develop a high level of technical, performing and choreographic proficiency. Study how dance helped shape U.S. history and express the many cultures that make up America. Requires creation of an interdisciplinary project that includes musical analysis, production elements, self evaluations, and analysis of choreographer's intent versus audience interpretation. Prerequisite: Intermediate Dance or standard written assessment and portfolio assessment.

Advanced Dance (51185X0H10 *Honors)*
Achieve technique, create choreography, and analyze works of significant American 20th- and 21st-century choreographers. Requires creation of a choreographic project that explores personal or socially significant issues and includes integration of performance values, production elements, self evolutions and analysis of professional roles for dancers within a dance company. Develop a personal aesthetic for creation of dance works. Prerequisite: Proficient Dance or standard written assessment and portfolio assessment.

IB Dance (51185X0H20) *Parkland*
The diploma programme dance course is designed to offer students the opportunity to build on prior experience in dance while encouraging a broad approach to the subject. Supports the principles of the mission statement to foster student appreciation of diverse world cultures and traditions.

Ballet (51262X0H10) *Reynolds only*
Develop classical technique, vocabulary and correct alignment with in a structured ballet setting, including barre, center work and across the floor combinations. Expand knowledge of ballet history, dance discipline, performance and knowledge of the dancing body. Prerequisite: None

Tap (51262X0H30) *Reynolds only*
Examine various styles of tap dancing with a focus on musicality, rhythm, and technique. Explore basic concepts, terminology, history and technical skills of tap dance. This program is designed to offer students the opportunity to build on experience in dance while encouraging a broad approach to the subject. Prerequisite: None.

Beginning Jazz (5126X0H20) *Reynolds only*
Students will explore the stylized forms of jazz dance from Broadway to hip hop, dance technique, history and composition. Students will work to develop strength, flexibility, proper alignment, isolations and musicality in this fast paced course. Prerequisite: Beginning Dance class or audition.

Arts Education Sequencing

Arts student with complete K-8 progression in an arts discipline		Intermediate*	Proficient*	Advanced
Arts student without complete K-8 progression in an arts discipline	Beginning	Intermediate*	Proficient*	Advanced

*Students may be placed in these classes based on optional performances or assessments

STEM in the Dance Classroom *Atkins only*
This is a performance- and research-based course emphasizing the principles of dance, biotechnology, engineering and scientific visualization. Students will explore and develop performance skills needed in each field. They will use engineering design principles to design and build structures to accompany and enhance their dance work. Students will use scientific visualization to record, edit and present videos in a 21st century approach to dance performance. An essential understanding of elements and principles of design will be used throughout the course. *Please ask your counselor for course number.*

Music

Note: Students who demonstrate exceptional ability may be placed in higher level music courses with teacher recommendation. Note: You may earn honors credit for up to four courses in each music area.

Band

Beginning Band (52552X0H1S)
Learn principles of tone production. Hone technical skills and musicianship as appropriate for grade level. Gain performance experience. Students will be expected to attend evening concerts. Prerequisite: Eighth-grade band or teacher recommendation.

Intermediate Band (52562X0H10)
Develop principles of tone production. Improve technical skills, musicianship and musical understanding appropriate to grade level. Students will be expected to attend evening concerts. Prerequisite: Beginning Band; K-8 progression in band; or audition.

Proficient Band (52575X0H10 *Honors)*
Improve tone production, music reading skills, interpretive ability and technical skills appropriate to grade level. Requires grade IV/V music, solos, improvisation, sight reading, reading full-instrument scores. Students will be expected to attend evening concerts. Prerequisite: Intermediate Band or audition.

Advanced Band (52585X0H10 *Honors)*
Improve tone production, music reading skills, interpretive ability and technical skills appropriate to grade level. Requires grade V/VI music, solos, improvisation, sight reading, conducting full instrument scores and performance evaluation. Students will be expected to attend evening concerts. Prerequisite: Proficient Band or audition.

Marching Band is an after-school class

Beginning Marching Band (52552X0H10)
Marching band requires personal interaction, teamwork and leadership skills. Marching band also requires intense physical activity, including calisthenics, exercise, strength and endurance. Marching-band students are actively involved in the community through participation in community events, festivals and parades. Students must be enrolled in school-day band classes or have the band director's recommendation. May be taken for credit or no credit.

Intermediate Marching Band (52562X0H1S)
Marching band requires personal interaction, teamwork and leadership skills. Marching band also requires intense physical activity, including calisthenics, stretching, exercise, strength and endurance. Marching-band students are actively involved in the community through participation in community events, festivals and parades. Students must be enrolled in school-day band classes or have the band director's recommendation. Prerequisite: Beginning Marching Band or audition.

Proficient Marching Band (52575X0H10 *Honors*)
Marching band requires personal interaction, teamwork and leadership skills. Marching band also requires intense physical activity, including calisthenics, stretching, exercise, strength and endurance. Marching-band students are actively involved in the community through participation in community events, festivals and parades. Students must be enrolled in school-day band classes or have the band director's recommendation. Prerequisite: Intermediate Marching Band or audition.

Advanced Marching Band (52585X0H10 *Honors*)
Marching band requires personal interaction, teamwork and leadership skills. Marching band also requires intense physical activity, including calisthenics, stretching, exercise, strength and endurance. Marching-band students are actively involved in the community through participation in community events, festivals and parades. Students must be enrolled in school-day band classes or have the band director's recommendation. Prerequisite: Proficient Marching Band or audition.

Chamber Music (52172X0H70) *Reynolds only*
Study fundamental techniques, acquire knowledge of theory and pedagogy, and perform music solo and with a group. Students will be grouped according to instrument. This course is primarily for freshmen. Prerequisite: Middle school band or audition for placement.

Symphonic Band (52172X0H60) *Reynolds only*
This ensemble will focus on playing more literature for band, and will be expected to meet extra rehearsal/performance requirements. Groups will work to present two concerts annually, as well as participate in the North Carolina State Band festival. Audition required.

Beginning Jazz Ensemble (52982X0H10)
Students study advanced instrumental techniques in a small ensemble setting covering jazz, swing, rock, Latin and other styles of music. The class has several more performance requirements than other band classes, including festival and contest performances. Students may take this as a secondary band class. Prerequisite: Prior participation in band and/or audition.

Intermediate (52982X0H10), Proficient (52982X0H10 *Honors*) **and Advanced (52982X0H10** *Honors*) **Jazz Ensemble**
Study advanced instrumental techniques in a small ensemble setting covering jazz, swing, rock, Latin and other styles. Requires several more performances than other band classes.
Students may take this as a secondary band class or have the band director's recommendation. Prerequisite: Prior Jazz Band course or audition.

Musical Instruments

For classroom study and home practice, each strings, orchestra and band student must own or rent an instrument and the appropriate materials and accessories.

Some high schools offer special choral or instrumental ensemble groups that are open by audition only. For more information, contact your music teacher or counselor.

Chorus

Beginning Chorus (52302X0H10)
Learn principles of vocal tone production and musicianship. Perform music appropriate to grade level. Students will be expected to attend evening concerts. Prerequisite: none.

Intermediate Chorus (52312X0H10)
Develop principles of vocal tone production, musicianship and musical understanding. Perform music appropriate to grade level. Students will be expected to attend evening concerts. Prerequisite: Beginning Chorus or a K-8 progression.

Proficient Chorus (52325X0H10 *Honors)*
Develop principles of vocal tone production, music reading skills and interpretation. Perform music appropriate to grade level. Honors requires Grade IV/V music, improvisation, variations, accompaniments, full vocal score reading and nonstandard notation interpretation. Students will be expected to attend evening concerts. Prerequisite: Intermediate Chorus or audition.

Advanced Chorus (52335X0H10 *Honors)*
Develop vocal tone production principles, music reading skills and interpretation. Perform music appropriate to grade level. Honors requires Grade V/VI music, ensemble performance, nonstandard notation interpretation, improvisation, sight reading and performance evaluation. Students will be expected to attend evening concerts. Prerequisite: Proficient Chorus or audition.

Chorale *Reynolds only*
Grades 9-12 Mixed Choir. Learn principles of vocal tone production, musicianship and an introduction to music reading skills. Intermediate SATB repertoire. Prerequisite: eighth-grade chorus or teacher recommendation. *Please ask your counselor for course number.*

A Cappella/Vocal Jazz/Performance Ensemble (52172X0H10) *Reynolds only*
This course includes not only the ensemble, but work in vocal percussion, arranging, SSAA/TTBB AND SATB. Course significant rehearsal/performance times outside the school day. Prerequisite: Audition.

Musical Theater/Light Opera Repertoire I
Reynolds only
Course gives students individual and ensemble work in acting, singing, and dancing. Introduction to the standard repertoire of genre for vocalists, developing at least two standards appropriate for voice/characters, useful for auditions, history of musical theatre and opera, and audition techniques. Participation in oratorio and musical theatre performances with attendance at after school rehearsals and performances is required. Prerequisite: Audition. *Please ask your counselor for course number.*

Beginning (52172X0H50), Intermediate (52172X0H50), Proficient (52172X0H50 *Honors*) **and Advanced (52172X0H50** *Honors*) **Piano**
Reynolds only
Piano classes that progressively expand students' abilities to play and read music. Students will perform in the Piano Showcase. Prerequisite: Previous level Piano.

Beginning, Intermediate (523222), Proficient (Honors) and Advanced (Honors) Concert Choir (523252)
These are year-long, upper-level performance opportunities offered to experienced music students who are accomplished in vocal performance. Students will continue to develop vocal technique and musicianship as well as develop critical thinking skills through the analysis of musical elements, including form and text. The Concert Choir will have several more performance requirements than other chorus classes, including festival and contest performance. Students may take this only as a secondary Chorus class or have the Chorus director's recommendation. Prerequisite: Previous level Concert Choir or audition.

Orchestra

Beginning Orchestra (52402X0H10)
Learn care of your instrument and equipment, principles of string tone production, and musical understanding. Perform music appropriate to grade level. Students will be expected to attend evening concerts. Prerequisite: Eighth-grade strings or audition.

Intermediate Orchestra (52412X0H10)
Develop principles of string tone production, musicianship and musical understanding. Perform music appropriate to grade level. Students will be expected to attend evening concerts. Prerequisite: Beginning Orchestra, K-8 progression in Orchestra, or audition.

Proficient Orchestra (52425X0H10 *Honors)*
Develop principles of string tone production, music reading skills and interpretation. Perform music appropriate to grade level. Honors requires Grade IV/V music, solos, improvisation, sight reading, and reading a full instrumental score. Students will be expected to attend evening concerts. Prerequisite: Intermediate Orchestra or audition.

Advanced Orchestra (52435X0H10 *Honors)*
Develop principles of string tone production, skills in music reading, and interpretation. Perform music appropriate to grade level. Honors requires Grade V/VI music, solos, improvisation, sight reading, performance evaluation and conducting a full score. Students will be expected to attend evening concerts. Prerequisite: Proficient Orchestra or audition.

Electronic Music

Beginning Electronic Music (52162X0H10) *Career Center*
Study and apply synthesis of sound, recording techniques, music fundamentals and MIDI application using synthesizers and computers. Compose music individually and in small groups. Students must play a musical instrument. A basic ability to read music is helpful.

Intermediate Electronic Music (52172X0H30) *Career Center*
Continue recording techniques and MIDI applications, emphasizing composition. Investigate sampling techniques. Make CDs and cassettes from computer editing software. Prerequisite: Beginning Electronic Music.

Music Theory and History

AP Music Theory (52157X0H10) *AP Career Center*
Learn music fundamentals, ear training, simple composition and principles of harmony and musical analysis. Prerequisite: Ability to read music well in at least one clef.

Music History (47005X0H10 *Honors) Career Center*
Music history is a survey of music, starting with early civilization and continuing through the 20th Century, including western music traditions and contributions of American composers and music styles. Students must be able to read music. Some background in music theory is recommended.

IB Music (52208X0H10)
Course emphasis on musical forms and structure, with a concentration on performance, composition and analysis. One- or two-year course offered for juniors or seniors. Prior knowledge of music theory and performance is recommended. Students may sit for the IB Standard Level (for the one-year course) or Higher Level (for the two-year course). Music Assessment upon completion of this course.

Theatre Arts

Beginning Theatre Arts (53152X0H10)
Investigate and develop confidence and competence in speech, movement, acting techniques and technical theatre.

Intermediate Theatre Arts (53162X0H10)
Practice and refine the skills and techniques developed in Beginning Theatre Arts. Prerequisite: Beginning Theatre Arts, K-8 progression, or audition.

Proficient Theatre Arts (53175X0H10 *Honors)*
Study playwriting, acting, period and style. Assist with major productions. Study acting and directing techniques. Honors credit requires an acting project. Prerequisite: Intermediate Theatre Arts or audition.

Advanced Theatre Arts (53185X0H10 *Honors)*
Gain more experience in acting and directing plays for classroom and public production. The Honors course requires a research project on theatre history and a directing project. Prerequisite: Proficient Theatre Arts.

Intermediate Technical Theater (53622X0H20)
Designed to acquaint the student with the elements and technology of stagecraft. Topics include scenery construction, scenic painting, rigging, props, lighting, sound, scene shop safety, and the collaborative process. Weekly after-school crew participation is required. Prerequisite: Beginning Theatre Arts and interview with instructor.

Proficient Technical Theatre (53625X0H20 *Honors*)
Designed to advance student knowledge in all aspects of technical theatre through the study of the design elements and the technology of stagecraft. Topics include the element of design for set construction, lighting and sound. Leadership positions of stage manager, crew chief and technical director will be introduced to the student. Weekly after-school crew participation is required. Prerequisite: Intermediate Technical Theatre.

Advanced Technical Theatre Honors (53625X0H20)
Designed to allow students to take leadership roles in all aspects of technical theatre through the further study of design elements and technology of stagecraft. Topics include the design and implementation of designs by students and other designers. Students are required to produce a portfolio for college admission interviews. Weekly after-school crew participation is required. Prerequisite: Proficient Technical Theatre (Honors)

IB Theatre Arts I (53208X0H10) *Parkland only*
Create, perform and analyze dramatic performances and works. Develop a deeper understanding or social and personal issues and a broader world view. Make connections between what you learn in theatre arts and other subjects. Junior- or senior-year course. Students may sit for the IB SL Theatre Arts assessment upon completion of this course.

IB Theatre Arts II (53218X0H10) *Parkland only*
Continue to study theatre arts with a global perspective. Senior-year course. Students may sit for the IB SL or HL assessment upon completion of this course. Prerequisite: IB Theatre Arts I.

Introduction to Film and Video (54622X0H20)
Reynolds only
Study of the photography, film and video history will introduce students to the field. Studio and location use of digital cameras, techniques for computer production of photographs, slide shows and transformation of slide shows into video will be explored. Students must purchase inkjet photographic paper. Prerequisite: Seminar in the Arts and approval of instructor.

English

High School English I (10061X0H15) *Semester*
Use the strands of oral language, written language, and media and technology to improve all types of communication: expressive, informational, critical, argumentative, literary and language uses.

English I (10212X0H15 *Regular,* **10215X0H15** *Honors)*
Explore the ways that audience, purpose, and context shape oral communication, written communication, and media and technology. While emphasis is placed on communicating for personal expression, students also engage in meaningful communication for expressive, expository, argumentative, and literary purposes.

Honors Seminar I (10215X0H25 *Honors*)
Study English Language Arts skills in a variety of literary contexts. Develop critical thinking skills and learn to process knowledge across all subject areas. Factual information is integrated into problem solving. Participate in several extensive research projects. Meets graduation requirement for English I.

High School English II (10061X0H25)
Focuses on critical reading and essay writing to prepare students for the rigor of English II and the end of course exam.

English II (10222X0H15 *Regular,* **10225X0H15** *Honors)*
Explore the ways that audience, purpose, and context shape oral communication, written communication, and media and technology. While emphasis is placed on communicating for purposes of personal expression, students also engage in meaningful communication for expressive, expository, argumentative, and literary purposes. Prerequisite: English I.

Honors Seminar II (10225X0H25 *Honors*)
Analyze, discuss, and write about classical and contemporary world literature with an emphasis on global ideas and shared humanity instead of cultural differences. Explore language for effectiveness in expressive, explanatory, critical, argumentative and literary purposes while emphasizing informational contexts.

English III (10232X0H15 *Regular,* **10235X0H10** *Honors)*
Analyze American literature as it reflects social perspective and historical significance by continuing to use language for expressive, expository, argumentative, and literary purposes. Emphasis on critical analysis of texts through reading, writing, speaking, listening, and using media.

English IV (10242X0H15 *Regular,* **10245X0H15** *Honors*)
Integrate language arts skills gained throughout education, equipping students to be life-long learners. Explore expressive, expository, argumentative, and literary contexts with a focus on British literature. Emphasis on argumentation by developing a position of advocacy through reading, writing, speaking, listening, and using media.

Shakespeare 101 (10272X0H4S *Regular,* **10275X0H1S** *Honors)*; **Shakespeare 102 (10272X0H5S** *Regular*, **10275X0H2S** *Honors); semester courses (.5 unit each)*
Explore in-depth a collection of Shakespearean plays and sonnets to increase knowledge and appreciation of his works. Multiple tools and approaches will be used to reach these goals. No prerequisites; courses are independent of one another, so students may take either or both semesters.

Speech and Debate I (10142X0H15 *Regular*, **10145X0H15** *Honors*)
Learn the basic techniques of public speaking, including poise, use of body and voice, and oral interpretation. Study the elements of debate, including beginning argumentation, interpreting resolutions, and evaluating arguments.

Speech and Debate II (10152X0H15 *Regular*; **10155X0H15** *Honors*)
Continue the study of public speaking and elements of debate. Prerequisite: Speech and Debate I.

English Flow Chart

Grade 9	Grade 10	Grade 11	Grade 12
English I	English II	English III	English IV
English I (HN)	English II (HN)	English III (HN)	English IV (HN)
		AP English	AP English
Honors Seminar I	Honors Seminar II	AP English	AP English

Flow charts contain selected course sequences

Introduction to Composition (10252X0H1S) *Semester*
Write from life experiences, learning how to develop and express ideas in a variety of styles and practicing grammatical form and structure.

Intermediate Composition (10252X0H2S) *Semester* Develop a variety of short compositions to improve writing style and usage with emphasis on more complex written assignments.

SAT Preparation (96022X0H1S) *Semester*
Please see p. 21 for description.

Introduction to Journalism (10312X0H10)
Study basic elements of newspaper writing, including newswriting and analysis, editorials, features, sports, effective layouts and headlines. Learn to write for publication.

Newspaper I (10312X0H10)
Learn the task of newspaper production while continuing to develop and refine your writing skills as a member of the newspaper team. Prerequisite: Introduction to Journalism.

Newspaper II (10315X0H10 *Honors)*
Plan, design, and publish the school's newspaper; manage advertising and financing; strengthen and polish editorial skills; assume management responsibilities. Prerequisite: Newspaper I.

Newspaper III (10315X0H10 *Honors)*
Continue the study of layout, management, writing and editing. Prerequisite: Newspaper II.

Newspaper IV (1031210H10)
Plan, design and publish the school's newspaper; manage advertising and financing; strengthen and polish editorial skills; assume management responsibilities. Prerequisite: Newspaper III.

Newspaper V (1031210H10)
Continue to study layout, management, writing and editing. Prerequisite: Newspaper IV.

Yearbook Publications I (10292X0H10)
Learn the art and business of publishing the school's yearbook, building individual responsibility and teamwork. Prerequisite: Introduction to Journalism.

Yearbook Publications II (10295X0H10 *Honors)*
Plan and publish the school's yearbook. Prerequisites: Yearbook Publications I.

Yearbook Publications III (1029500H10 *Honors)*
Continue as editors and staff members. Prepare the school's yearbook. Prerequisites: Yearbook Publications II.

Yearbook Publications IV (10292X0H10)
Continue as editors and staff members. Plan and publish the school's yearbook. Prerequisite: Yearbook Publications III.

Yearbook Publications V (10292X0H10)
Continue as editors and staff members. Prepare the school's yearbook. Prerequisite: Yearbook Publications IV.

Ethnic American Literature (10272X0H20 *Regular,* **10275X0H10** *Honors*)
Explore the connections among ethnic identity, literature, and culture in the United States. Content will focus on divergent racial and ethnic histories to examine the combinations of identification and alienation that make up an "ethnic" identity.

Studies in North Carolina Literature (10272X0H35 *Regular,* **10275X0H15** *Honors*)
Explore the writings of North Carolina authors to enrich understanding of literature, history, and current events through the study of relevant material.

AP English - Literature and Composition (10367X0H10) *AP - Career Center and all high schools*
Learn to read and critically analyze literature by considering a work's structure, style and themes; intensively study representative works from various genres and periods, concentrating on works of recognized literary merit; and reflect on the social and historical value of the works. Lengthy reading assignments required. Recommended senior year course. Summer reading required.

AP English - Language and Composition (10357X0H10) *AP - Career Center and all high schools*
Read complex texts with understanding, including primary and secondary sources; synthesize material from these texts in compositions and cite them appropriately; and write prose with sufficient richness and complexity to communicate effectively with mature readers. Emphasis on analytical, argumentative, and expository essays. Lengthy reading assignments, summer reading required and a formal research paper required. Recommended junior-year course.

IB English III (10238X0H10)
Develop a personal appreciation of literature and understanding of techniques involved in literary criticism. Students improve their power of expression in written and verbal communication and practice and develop skills used in writing and speaking in a variety of styles and situations. Junior year course; first year of the two-year IB Language A1 course. Prerequisite: Honors English or Seminar II.

IB English IV (10248X0H10)
Study, comprehend and analyze literature of varying length and complexity, foster an understanding and appreciation of the writer's craft in literature, and gain an international perspective through the comparative study of works from the student's own culture and other cultures. Senior-year course. Upon completion, students will sit for the IB HL Language A1 assessment. Prerequisite: IB English III.

English as a Second Language

English as a Second Language courses are offered for students with limited English proficiency at Atkins, Carver, East Forsyth, Glenn, Mount Tabor, North Forsyth, Parkland, Reynolds and West Forsyth.

ESL I (10382X0H10)
For students scoring a composite level 1 on the W-APT/ACCESS assessment. Focus is on the WIDA English language proficiency standards with emphasis on social and instructional language. Students will begin to acquire the language necessary to be successful in core content classes. Students will focus on developing reading, writing, listening and speaking skills.

ESL II (10382X0H20)
For students scoring a composite level 2 on the W-APT/ACCESS assessment. Focus is on the WIDA English language proficiency standards with an emphasis on the language of social studies, science, English language arts and math. Students will learn basic grammatical structures and more complex vocabulary in the context of academic reading, writing and speaking English.

ESL III (10382X0H30)
For students scoring a composite level 3 on the W-APT/ACCESS assessment. Focus is on the WIDA English language proficiency standards with an emphasis on the language of social studies, science, English language arts and math. Students will deepen their comprehension skills through reading, discussing and writing non-fiction and fiction. Students will continue to develop learning strategies to increase success in other academic classes.

ESL IV (10382X0H40)
For students scoring a composite level 4 and above on the W-APT/ACCESS assessment. This class will place a greater emphasis on developing writing ability. Focus is on the WIDA English language proficiency standards with an emphasis on the language of social studies, science, English language arts and math. Students will approach full English proficiency in the use of academic language and further develop comprehension and fluency comparable to that of native English speakers.

Sheltered Course Codes for LEP students
Sheltered courses follow the SIOP protocol and are designed for LEP students. The courses follow the same content area curriculum with an added emphasis on using supplementary resources and various teaching strategies to support English language development. The availability of SIOP subject-area classes depends on the number of LEP students at a particular site and the organization of a school. For additional support and information, please call the Title III office at 727-8029.

(10061X0H35) Sheltered HS English (EOC)
(10212X0H25) Sheltered English 1
Sheltered Foundations of Algebra
(21002X0H25) Sheltered Algebra 1 (EOC)
(33201X0H15) Sheltered Biology
(35012X0H25) Sheltered Earth / Environmental
(43032X0H25) Sheltered World History
(42092X0H25) Sheltered Civics and Econ. (EOC)

Foreign Languages

Chinese

Chinese I (11212X0H10) *Career Center*
Begin to understand, speak, read, and write Mandarin Chinese, the most commonly spoken language in the world. Learn basic written and oral communication skills and develop an understanding of the Chinese culture and customs.

Chinese II (11222X0H10) *Career Center*
Deepen your understanding of language and culture begun in Chinese I. Continue to develop communication skills and expand your abilities. Prerequisite: Chinese I.

Chinese III (11235X0H10 *Honors*) *Career Center*
Develop advanced conversation and comprehension skills. Improve reading and writing skills and develops deeper cultural understanding.

Chinese IV (11245X0H10 *Honors*) *Career Center*
Refine your communication skills and engage in more extensive study of Chinese characters and grammar. Read Chinese texts, watch Chinese videos and feel competent to share your point of view and defend your point of view. Prerequisite: Chinese III.

AP Chinese (11257X0H10) *AP - Career Center*
Refine your skills to communicate effectively and converse in Chinese with ease. Use the language lab to improve listening and speaking skills. Improve accuracy in reading and writing skills through literature and cultural studies. Prerequisite: Chinese IV.

French

French I (11012X0H10)
Begin to understand, speak, read and write French in daily living situations. Develop an understanding and appreciation of French-speaking people and their customs.

French II (11022X0H10)
Broaden your understanding of language and cultures begun in French I. Continue to develop conversational skills. Prerequisite: French I.

French III (11035X0H10 *Honors*)
Develop language skills, including reading longer selections by French authors. Study current events in the French-speaking cultures. Prerequisite: French II.

French IV (11045X0H10 *Honors*)
Study advanced language and literature, including more extensive study of French literature. Improve your conversational and writing skills through current topics. Prerequisite: French Ill.

French V (11055X0H10 *Honors*)
Expand and refine conversational and written skills and vocabulary through comprehensive study of the literature, culture and history of France and other French-speaking countries. Prerequisite: French IV.

AP French - Language (11057X0H10) *AP - Career Center and home schools*
Use the language laboratory to perfect your listening and speaking skills in French. Improve reading comprehension and grammatical accuracy through writing. Prerequisite: French III.

IB French IV (11048X0H10)
Learn to use French appropriately in a range of situations and contexts and for a variety of purposes. Develop an awareness and appreciation of French-speaking cultures. The skills of listening, speaking, reading and writing are equally emphasized and taught and developed through the study of a authentic oral and written texts. Junior-year course; first year of IB French B SL course. Prerequisite: French III.

IB French V (11058X0H10)
A variety of oral and written examinations are used to assess students' listening, speaking, reading and writing skills. Senior-year course; upon completion of this course, students will sit for the IB SL French B assessment. Prerequisite: IB French IV.

German

German I (11612X0H10)
Begin to understand, speak, read and write contemporary German, the foreign language closest to English. Learn about one of the richest cultures that has influenced America.

German II (11622X0H10)
Expand your skills in understanding, speaking, reading and writing modern German. Broaden your knowledge of German culture and learn how useful its language can be. Prerequisite: German I.

German III (11635X0H10) *Honors - Career Center and home schools*
Explore a variety of written and spoken texts from German literature, journalism, philosophy, history, science and politics. Learn to express your thoughts, feelings and opinions with confidence. Master all basic structures of the German language. Prerequisite: German II.

German IV (11645X0H10) *Honors - Career Center and home schools*
Read German texts in your field of interest. Write about and discuss topics that you consider important. Listen to German news and radio plays, watch German videos, and feel competent to share your point of view. Prerequisite: German III.

German V (11655X0H10) *Honors - Career Center and home schools*
Expand and refine speaking, listening, writing and reading skills through a more in-depth study of the literature, culture and history of the German-speaking countries. Prerequisite: German IV.

AP German - Language (11657X0H10) *AP - Career Center*
Refine your skills to become an effective communicator; listen and understand German with ease; respond with confidence; read with satisfaction; and write with accuracy. Prerequisite: German III.

IB German IV (11648X0H10)
Learn to use German appropriately in a range of situations and contexts and for a variety of purposes. Develop an awareness and appreciation of German-speaking cultures. Listening, speaking, reading and

Foreign Language Flow Chart

Grade 9	Grade 10	Grade 11	Grade 12
		French I	French II
	French I	French II	French III
French I	French II	French III	French IV or AP
French II	French III	French IV	French V or AP
		German I	German II
	German I	German II	German III
German I	German II	German III	German IV or AP
German II	German III	German IV	German V or AP
		Japanese I	Japanese II
	Japanese I	Japanese II	Japanese III
Japanese I	Japanese II	Japanese III	Japanese IV or AP
		Chinese I	Chinese II
	Chinese I	Chinese II	Chinese III
Chinese I	Chinese II	Chinese III	Chinese IV
		Latin I	Latin II
	Latin I	Latin II	Latin III
Latin I	Latin II	Latin III	Latin IV or AP
Latin I	Latin II	Latin III	Latin IV or AP
		Spanish I	Spanish II
	Spanish I	Spanish II	Spanish III
Spanish I	Spanish II	Spanish III	Spanish IV
Spanish II	Spanish III	Spanish IV	Spanish V or AP

writing skills are equally emphasized, and are taught and developed through the study of a range of oral and written texts. Junior-year course; first year of IB German B SL course. Prerequisite: German III.

IB German V (11658X0H10)
A variety of oral and written examinations are used to assess students' listening, speaking, reading, and writing skills. Senior-year course; upon completion of this course, students may sit for the IB SL German B assessment. Prerequisite: IB German IV.

Japanese

Japanese I (11812X0H10) *Career Center*
Begin to understand, speak, read and write Japanese. Practice basic written and oral communication skills. Develop an understanding of Japanese culture and customs.

Japanese II (11822X0H10) *Career Center*
Enhance the basic skills learned in Japanese I and develop a deeper understanding of the Japanese culture and customs through language. Prerequisite: Japanese I.

Japanese III (11835X0H10 *Honors*) *- Career Center*
Develop advanced conversational and comprehension skills with exposure to experiences outside the family circle and in the community. Prerequisite: Japanese ll.

Japanese IV (11845X0H10 *Honors*) *- Career Center*
Refine your communication skills and engage in more extensive study of Japanese grammar. Practice your Japanese through verbal and written techniques. Prerequisite: Japanese Ill.

Japanese V (11855X0H10 *Honors*) *- Career Center*
Expand conversational, reading and writing skills as well as vocabulary through a more comprehensive study of Japanese history, culture and literature. Prerequisite: Japanese IV.

AP Japanese (11857X0H10) *AP - Career Center*
Refine your communication skills and converse in Japanese with ease. Use the language lab to perfect listening and speaking skills. Improve accuracy in reading and writing skills. Prerequisite: Japanese III.

Latin

Latin I (12412X0H10)
Learn about one of the great civilizations of the past. Improve your understanding of English. Discover that Latin vocabulary and grammar help on the SAT, in English and in other disciplines. Explore some well-known Roman myths.

Latin II (12422X0H10)
Complete your study of the structure of the language. Learn about the lives of many famous Romans. Explore more myths and legends. Prerequisite: Latin I.

Latin III (12435X0H10 *Honors*)
Read many great authors, including Cicero as he uncovers a conspiracy. Explore the writings of Pliny about the eruption of Mt. Vesuvius, of Catullus about his own romance, and of Ovid about mythology. Study Roman life and history. Prerequisite: Latin II.

Latin IV (12445X0H10 *Honors*)
Follow Aeneas on his journey from Troy to Italy. Learn about the Trojan War and the myths about the discovery of Rome. Prerequisite: Latin III.

Latin V (12455X0H10 *Honors*)
Read the lyrical poetry of Catullus and translate Ovid's metamorphoses from the original language. Study other selections, including the Comedies of Plautus, the Histories of Livy and the Epigrams of Martial. Prerequisite: Latin IV.

AP Latin (12457X0H10) *AP - Career Center and home schools*
Study works by Virgil and other Roman Masters. Explore ancient Roman culture and political history. Reinforce reading and writing skills. Enhance your understanding of English through the study of Latin grammar. Prerequisite: Latin Ill.

Spanish

Spanish I (11412X0H10)
Begin to understand, speak, read and write Spanish for use in daily living situations. Discover the peoples, nations and customs of the Spanish-speaking world.

Spanish II (11422X0H10)
Expand your skills in understanding, speaking, reading and writing begun in Spanish I. Continue to explore the culture and customs of the Spanish-speaking world. Prerequisite: Spanish I.

Spanish III (11435X0H10 *Honors*)
Develop language skills emphasizing reading and writing. Study more complex structures, vocabulary and idioms, and cultural and literary readings. Prerequisite: Spanish II.

Spanish IV (11445X0H10 *Honors*)
Refine your communication skills and engage in more extensive study of Spanish grammar. Practice your Spanish through verbal and written techniques. Prerequisite: Spanish Ill or Practical Spanish for Native Speakers II.

Spanish V (11455X0H10 *Honors*)
Use your language knowledge and skills. Learn about the history and literary development of Spanish people. Prerequisite: Spanish IV or Practical Spanish for Native Speakers II.

Practical Spanish for Native Speakers I (11492X0H10)
Native/heritage Spanish speakers develop, maintain and enhance their proficiency in listening, speaking, reading and writing skills in Spanish. Study the culture and literature of the Hispanic world and gain a better understanding of Spanish and how it relates to other languages. Meets foreign language requirement for UNC admissions.

Practical Spanish for Native Speakers II (11501X0H10)
Native/heritage speakers maintain and enhance their reading and writing abilities in Spanish. Study the language in a variety of contexts and for various audiences. Continue to study Hispanic literature and the structure of the language. Prerequisite: Practical Spanish I. Meets foreign language requirement for UNC admissions.

AP Spanish - Language (11457X0H10) *AP - Career Center*
Learn to converse in Spanish with ease. Using the language laboratory, perfect your listening and speaking skills. Achieve grammatical accuracy through writing, and improve your reading comprehension. Prerequisite: Spanish III or Practical Spanish for Native Speakers II.

AP Spanish - Literature (11457X0H20) *AP - Career Center*
Read and discuss literary masterpieces, including plays, poetry and short stories from representative Spanish and Spanish American authors of the 15th through 20th centuries. Combine your ability to analyze literary works with your expertise in writing Spanish. Prerequisite: Spanish III or Practical Spanish for Native Speakers II.

IB Spanish IV (11448X0H10)
Learn to use Spanish appropriately in a range of situations and contexts and for a variety of purposes. Develop an awareness and appreciation of the cultures of the countries in which Spanish is spoken. The skills of listening, speaking, reading and writing are equally emphasized, and are taught and developed through the study of a range of oral and written texts. Junior-year course; first year of IB Spanish B SL course. Prerequisite: Spanish III.

IB Spanish V (11458X0H10)
A variety of oral and written examinations are used to assess students' listening, speaking, reading, and writing skills. Senior-year course; upon completion, students may sit for the IB SL Spanish B assessment. Prerequisite: IB Spanish IV.

Fees

The policy of the Winston-Salem/ Forsyth County Board of Education states that:

"No pupil shall be required to pay any fee or charges for materials, supplies, or equipment in any course instructional program offered by this school system which has not been approved by the Board of Education. However, students enrolled in certain occupational courses may be charged for the cost of raw materials used by them in producing or creating projects while learning the skills taught by the course, so long as the project becomes or remains the property of the student."
—Policy 3250

Health

Health (63022X0H2S) *Semester*
Learn and demonstrate skills for maintaining a healthy life through the strands of mental and emotional health; personal and consumer health; interpersonal communication and relationships; nutrition and physical activity; and alcohol, tobacco and other drugs. Learn how to find help from community resources for prevention of various health problems, treatment and support.

Honors Health (61025X0H1S)
Focus on scientific and physiological aspects of the five strands of health education, leadership, service and project-based components, and the application of technology and research. Prerequisite: Health.

Life Management Skills

Life Management Skills (62022X0H2S) *Semester*
Develop skills for success in high school and beyond. Study character traits and how they apply to leadership, personal financial management, relationships, parenting, conflict resolution and cardiopulmonary resuscitation (CPR). This course will offer the CPR instruction mandated for graduation by the state legislature and the state board of education. Service project required. Required for all ninth-grade students and for graduation. Students who successfully complete 18 weeks of JROTC (18 weeks under the A/B block schedule, 9 weeks under the regular block course) may receive graduation credit for the course with the approval of their guidance departments. Wearing the military uniform once a week is required for JROTC, including minimum appearance standards, such as haircut standards for males. *Students in 10th, 11th and 12th grades who need to meet the graduation requirement may take an alternative curse, such as Personal and Social Responsibility, LIFE, Quest, or JROTC*.

Personal and Social Responsibility (44032X0H1S) *Semester*
Learn responsibility and accountability for actions. Learn critical concepts and behavioral skills through role playing, games and small group activities designed to strengthen self-esteem, responsibility, effective relationships, conflict resolution, problem solving, and goal setting. Prerequisite: teacher recommendation for ninth- and 10th-grade students.

Quest/Skills for Action (44012X0H1S) *Semester*
Participate in class discussions, sharing and service to the school and community. Practice service learning through volunteer projects in class and as part of the community.

Mathematics

Introductory Mathematics (20202X0H15)
Course providing a survey of preparatory topics for high school-level mathematics courses, including the foundations for algebra and geometry. Recommended for ninth-graders who score at Level I on the eighth-grade Math EOG. *Does not count as a math credit for the Future-Ready Core Course of Study (Class of 2013 and beyond)*.

Foundations of Math I (20502X0H15)
Strengthen skills needed for success in Math I. *Does not count as a math credit for the Future-Ready Core Course of Study (Class of 2013 and beyond)*.

Math I (21032X0H10)
Study concepts of algebra, geometry, functions, number and operations, statistics and modeling throughout the course. Concepts include expressions in the real number system, creating and reasoning with equations and inequalities, interpreting and building simple functions, expressing geometric properties and interpreting categorical and quantitative data. Technology, including manipulatives, graphing calculators, and application software, will be used for instruction and assessment. First math course for Future Ready Core Course of Study.

Foundations of Math II (20292X0H15)
Strengthen skills needed for successful completion of Math II. *Does not count as a math credit for the Future-Ready Core Course of Study (Class of 2013 and beyond)*.

Math II (22012X0H10 *Regular,* **22015X0H10** *Honors)*
Continues progression of standards established in Math I. Math II also includes polynomials, congruence and similarity of figures, trigonometry with triangles, modeling with geometry, probability, making inferences and justifying conclusions. Technology, including manipulatives, graphing calculators, and application software, will be used for instruction and assessment. Second math course for Future Ready Core Course of Study. Prerequisite: Math I.

Foundations of Math III (20192x0h15)
Strengthen skills needed for successful completion of Math III. *Does not count as a math credit for the Future-Ready Core Course of Study (Class of 2013 and beyond)*.

Math III (23012X0H10 *Regular,* **23015X0H10** *Honors*)
Continues study of standards learned in Math I and II. Math III also includes algebraic concepts such as the complex number system, inverse functions, trigonometric functions, the unit circle, and geometric concepts of conics and circles. Technology, including manipulatives, graphing calculators, and application software, will be used for instruction and assessment. Third math course for Future Ready Core Course of Study. Prerequisites: Math I and Math II.

Advanced Functions and Modeling (24002X0H15*)*
Provides an in-depth study of modeling and applying functions. Applications will come from home, work, recreation, consumer issues, public policy and scientific investigations among other areas. Manipulatives, graphing calculators and application software used for instruction and assessment. Prerequisite: Algebra II, Integrated Math III or Math III. Counts as a fourth math course for Future-Ready Core Course of Study.

Discrete Mathematics (24012X0H15 *Regular,* **24015X0H15** *Honors)*
Learn about the mathematics of networks, social choice and decision making. Extends application of matrix arithmetic and probability. Applications and modeling are central to this course. Manipulatives, calculators and application software used for instruction and assessment. Prerequisite: Algebra II, Integrated Math III or Math III. Counts as a fourth math course for Future-Ready Core Course of Study.

Integrated Math IV (24025X0H10 *Honors)*
Provides an advanced study of trigonometry, functions, analytic geometry and data analysis with a problem-centered, connected approach in preparation

Mathematics Flow Chart

Grade 9	Grade 10	Grade 11	Grade 12
Fdn of Math/Math I	Fdn of Math II/Math II	Fdn of Math III/ Math III	Advanced Functions & Modeling
Math I	Math II	Math III	Advanced Functions Pre-Calculus
Math II	Math III	Pre-Calculus	AP Calculus/AP Statistics
Math III	Pre-Calculus	AP Calculus	AP Statistics

Students must complete Algebra I, Geometry, Algebra II; or Integrated Math I-III; or Math I-III; and a fourth math course aligned with student's postsecondary plans

for college-level math. Applications and modeling are included. Extensive use of technology for instruction and assessment. Prerequisite: Integrated Math III. Counts as a fourth math course for Future-Ready Core Course of Study.

Pre-Calculus (24035X0H10 *Honors*)
Prepare for college-level courses in calculus and abstract algebra. Prerequisite: Algebra II, Integrated Math III or Math III. Counts as a fourth math course for Future-Ready Core Course of Study.

Systems Modeling (27105X0H20 *Honors*) *Career Center*
Provide learners an introduction to the study of system dynamics through modeling. STELLA software will be used to visualize and communicate how complex systems and ideas work. (Career Center only). Prerequisite or Co-requisite: Pre-Calculus or Integrated Math IV. Does not count as a math credit for the Future-Ready Core Course of Study (Class of 2013 and beyond).

AP Calculus AB (25017X0H10) *AP - Career Center and all high schools*
Study elementary functions and introductory differential and integral calculus. Prerequisite: Pre-Calculus or Integrated Math IV.

AP Calculus BC (25027X0H10) *AP - Career Center*
Cover the calculus of functions of a single variable, geometry in the plane, elementary differential equations, and sequences and series. Prerequisite: Pre-Calculus or Integrated Math IV.

AP Statistics (25117X0H10) *AP - Career Center*
Learn concepts and tools for collecting, analyzing and drawing conclusions from data. This full year course is equivalent to a one-semester, introductory, non-calculus based, college course in statistics. Prerequisites: Pre-Calculus or Integrated Math IV, or enrolled in Pre-Calculus or Integrated Math IV.

IB Math Studies I (26008X0H10)
Use an inquiry approach to investigate mathematical concepts. Cover concepts that can be applied to contexts that relate to other subjects, general world situations and topics that relate to home, work and leisure. Junior-year course; first year of IB SL Math Studies course. Prerequisite: Algebra II or Integrated Math III.

IB Math Studies II (26018X0H10)
Participate in data collection experiment and produce a statistical analysis project. Senior-year course; second year of the IB Math Studies SL course. Upon completion, students may sit for the IB SL Math Studies assessment. Prerequisite: IB Math Studies I.

IB Math I (26008X0H20)
Be introduced to important mathematical concepts through the development of mathematical techniques. Apply the mathematical knowledge you learn to solve meaningful problems. Appreciate the international dimensions of mathematics and the multiplicity of its culture and historical perspectives. Junior-year course; first year of IB SL Math course. Prerequisite: Honors Algebra II, Honors Integrated Math III or Math III.

IB Math II (26018X0H20)
Create a portfolio of mathematical problem-solving skills. Study advanced analysis of functions and a full year of calculus. Senior-year course; second year of IB Math SL course. Upon completion, students may sit for the IB SL Math assessment. Prerequisite: IB Math I.

Computer Science (27102X0H10 *Regular,* **27105X0H10** *Honors)*
Learn to program in BASIC/Visual BASIC/Pascal and apply computer programming skills to the solutions of problems in mathematics and other fields. Prerequisite: B in Algebra I, Integrated Math I or Math I; Algebra II, Integrated Math II or Integrated Math III or enrolled in Math III for Honors credit. *Does not count as a math credit for the Future Ready Core Course of Study (Class of 2013 and beyond).*

AP Computer Science A (25217X0H10)
AP - Career Center
Study programing in Java with an emphasis on programming methodology and class design. Equivalent to a one-semester college level course in Computer Science. For students considering majors in computer science, engineering or related fields. Prerequisite: Enrolled in Algebra II Honors. *Does not count as a math credit for the Future Ready Core Course of Study (Class of 2013 and beyond).*

Military Science

The Military Science (JROTC) program prepares students for leadership roles while making them aware of their rights, responsibilities and privileges as Americans. The program promotes graduation from high school and provides instructional opportunities that benefit the student and community.

Wearing the military uniform once a week is a requirement to participate in JROTC. While in uniform, cadets must meet the minimum appearance standards listed in the appropriate regulation, including haircut standards.

Honors credit is available for Levels IV and V JROTC courses. The honors curriculum builds on previous JROTC courses and focuses on short- and long-range planning, decision-making skills, and the coordination, control and execution of cadet organization activities. It includes a research-based essay project and oral presentation. Honors students must have previously completed JROTC III, apply to and be interviewed by the JROTC Leadership Board, and be approved by the Senior Service Instructor.

Military Science is an elective under the Future-Ready Core Course of Study. Selected students who successfully complete 18 weeks of Army and Air Force JROTC (18 weeks under the A/B block schedule, 9 weeks under the regular block schedule) may receive credit for Life Management Skills and P. E. II with approval of their guidance departments and the JROTC Senior Instructor. The four basic Army and Air Force JROTC courses, plus the add-on levels of LET V, must be completed successfully in sequence. Cadets may only take Level IV and V courses with the approval of the Senior Instructor.

U.S. Army Junior Reserve Officers' Training Corps

(Not offered at North Forsyth or Reagan)
Army JROTC I (95012X0H15)
Study leadership theory and application, foundation for success, communication/study skills, citizenship, military customs and courtesies, physical training, drill, map reading, and the history and objectives of JROTC.

Army JROTC II (95022X0H15)
Study of wellness, fitness and first aid, drug awareness, ethical values and principals of good citizenship, oral and written communication, technology application, and citizenship in American history and Government. Demonstrate knowledge of drill, map reading, and physical training, with emphasis on methods of instruction and leadership. Prerequisite: Army JROTC I.

Army JROTC III (95032X0H15 *Regular*, **95035X0H10** *Honors*)
Study of leadership strategies, foundation of success, managing conflict, career planning, financial planning, citizenship in American history and government with continued practical work in leadership, drill, technology awareness, methods of instruction, map reading and physical training. Prerequisite: JROTC II

Army JROTC IV (95042X0H15 *Regular*, **95045X0H10** *Honors*)
Demonstrate leadership potential as a role model, coach, counselor, management skills and assistant instructor. Study service to the nation and financial planning, with continued practical work in drill, technology awareness, physical training and command and staff principles. Prerequisite: JROTC III

Army JROTC V (95042X0H30)
Assist instructor in the LET level class assigned. Assist instructor in drill, physical training and inspections with a requirement to teach a minimum of one class for each subject taught for the LET level class assigned, with emphasis placed on proper teaching methods and preparation of lesson plans. Normally assumes the leadership positions and the responsibilities of command functions with continued practical work in drill, technology awareness, and physical training. Prerequisite: Completion of previous numerical JROTC level.

U.S. Air Force Junior Reserve Officers' Training Corps *(Offered at North Forsyth and Reagan only)*

Aerospace Science I (95012X0H20)
Study the historical development of flight and the role of military aviation in history. Study military heritage, organization, traditions, self-control, citizenship, wellness, health fitness, drill and proper wear of the Air Force uniform. Haircuts for males and proper hair styles for female Cadets are mandatory as is the proper wear of the Air Force uniform one day per week (Wednesdays or designated days/nights).

Aerospace Science II (95022X0H20)
Study the principles of aircraft flight, aerodynamics, aviation weather, navigation and the effects of flight on the human body. Study leadership concepts, individual and group behaviors, communication skills, drill and proper wear and respect for the Air Force uniform. Same information applies for hair and uniform wear. Prerequisite: Aerospace Science I and/or Senior Aerospace Science Instructor (SASI) approval. Can be used as elective science credit for graduation.

Aerospace Science III (95032X0H20 *Regular*, **95035X0H20** *Honors*)
Study astronomy and the universe, air navigation and its application to space. Prepare classroom presentations and write papers on various aspects of the Air Force and/or space. Study management leadership concepts and ethics for the Cadet Corps and life. Continue study of communication skills, drill and proper wear and respect for the Air Force uniform. Same information applies for hair and uniform wear. Prerequisite: Aerospace Science II and/or SASI approval.

Aerospace Science IV (95042X0H20 *Regular,* **95045X0H20** *Honors*)
Demonstrate leadership potential as a role models, coaches and counselors, plus assist instructor while managing the Corp of Cadets in leadership positions. Final study of communication skills, drill and proper wear and respect for the Air Force uniform. Develop citizens of character dedicated to serving their nation and community. Prerequisite: Aerospace Science III and/or SASI approval.

Physical Education

Physical Education I (63020X0H1S) *Semester*
Demonstrate competency and proficiency in at least three of the following activities: team sports, individual sports, dual sports, dance, gymnastics, aquatics, outdoor pursuits and self-defense. Students are expected to understand concepts, principles, strategies and tactics that apply to the learning and performance of movement. They will evaluate personal health-related physical fitness statuses and create plans for maintaining lifelong health enhancing behaviors. Strategies for developing behaviors that are responsible and enhance respect of self and others and that value physical activity will be included in this course. Required for graduation.

Physical Education II (62022X0H1S) *Semester*
Demonstrate understanding of movement concepts, principles, strategies and tactics as they apply to the learning and performance of physical activities in individual and team sports. Demonstrate the knowledge of judging, officiating and refereeing in various activities. Understand offensive and defensive strategies. Selected students who successfully complete 18 weeks of JROTC (18 weeks under the A/B block schedule, 9 weeks under the regular block) may receive credit for PE II with the approval of their guidance department. Required for graduation.

Physical Education III (62022X0H10 *Regular*)
Exhibit a physically active lifestyle by participation in selected physical activities that can be accessed in the community for a lifetime of sports involvement. Prerequisite: Physical Education I and II.

Physical Education Honors (62025X0H1S *Honors*)
Focus on scientific and physiological aspects of the four strands of Physical Education. This course will have leadership, service and project-based components, and the application of technology and research in fitness, motor and movement concepts. Prerequisite: Physical Education I and II.

Physical Education IV (62022X0H20)
Investigate various fitness/wellness programs available and develop an appropriate individualized program and be familiar with factors that benefit athletic performance. Recognize current best practices related to fitness and nutrition.

Dance A (63022X0H3S) *Semester*
Examine dance as a form of communication and develop a strong technique base in contemporary and classical styles to improve strength, flexibility, and endurance. Explore basic concepts of choreography and performance within small group works and concert work. Students will examine implications of world history on master works of dance and identify optimal health and nutritional strategies. Provides PE credit.

Dance B (63022X0H4S) *Semester*
Examine dance as a form of communication; develop a strong technique base in contemporary and classical styles to improve strength, flexibility, and endurance. Explore basic concepts of choreography and performance within small group works and concert work. Examine implications of world history on master works of dance and identify optimal health and nutritional strategies. Prerequisite: Dance A or audition. Provides PE credit.

Science

Biological Science

Biology (33202X0H15 *Regular*, **33205X0H15** *Honors)*
Study the nature of life and living organisms including structure and functions of living organisms, ecosystems, evolution, genetics and molecular biology. Laboratory-based experiences and exploration of current biological advances extend foundational knowledge of life sciences. Honors course requires individual research projects.

Human Anatomy and Physiology (33302X0H15 *Regular*, **33305X0H15** *Honors*)
Study the mechanical, physical, bioelectrical, and biochemical functions of humans including organs and the cells of which they are composed. Laboratory-based explorations include gross and microscopic anatomies; extend foundational understanding of the human body. Honors course requires individual research projects. Prerequisite: Biology.

AP Biology (31007X0H10) *Career Center*
Study the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Laboratory-based course delivery provides extensive exploration of molecules, cells, heredity, evolution, organisms, and populations. Prerequisites: Biology and Chemistry.

IB Biology I (32008X0H10)
Study biological structures and functions within a global context. Experiments and investigations increase awareness of how biologists work and communicate with each other. Core elements of IB Biology include extended essay, theory of knowledge and creativity, action, service. Junior- or senior-year course; students may sit for the IB Biology SL (Standard Level) assessment upon completion. Prerequisite: Biology

IB Biology II (32018X0H10)
Continuation of IB Biology I. Senior-year course; upon completion, students may sit for the IB HL Biology assessment. Prerequisite: IB Biology I.

Earth and Environmental Science

Earth/Environmental Science (35012X0H15 *Regular,* **35015X0H15** *Honors*)
Study the function of Earth's systems including the lithosphere, hydrosphere, atmosphere, and biosphere. Laboratory-based experiences and investigations extend foundational understanding of human influence on Earth's systems to include sustainability practices, technology, and alternative energies. Honors course requires individual research projects.

Global Science Issues (35202X0H15)
Study political, social, and economic values closely related to the health of the environment. Laboratory and investigations explore topics to include agricultural practices, use of natural resources, by-products of industrial development, and environmental stewardship. Senior- year course. Prerequisite: Earth/Environmental Science.

Exploration of Alternative Energies (30205X0H10 *Honors) - Career Center*
Study viable energy sources intended to replace nonrenewable energy resources to decrease negative environmental consequences of energy consumption. Alternative energies explored during laboratory experiences and investigations include solar photovoltaics, solar hot water, wind power, microhydro, and biodiesel. Prerequisite: Earth/Environmental Science.

AP Environmental Science (31107X0H10) *AP - Career Center and all high schools*
Study principles, concepts, methodologies and interrelationships of the natural world and how humans alter natural systems. Laboratory-based course delivery provides extensive exploration of Earth systems, land and water use, energy resources, global change and associated biotic elements. Prerequisites:

Science Flow Chart

Grade 9	Grade 10	Grade 11	Grade 12
Earth/ Environmental	Biology	Physical Science	AP/IB Science, Chemistry, Physics, Anatomy, GSI, Exploration of Alt Energies
Earth/ Environmental	Biology	Chemistry	AP Science, Chemistry, Physics, Anatomy, GSI, Exploration of Alt Energies
Biology	Chemistry	Physics	AP/IB Environmental
Biology	Chemistry	AP/IB Environmental	AP/IB Science

Biology and Chemistry or Physics. Satisfies Earth/ Environmental graduation requirement for Future Ready Core.

IB Earth/Environmental Science (32108X0H10)
Study environmental systems and societies within a global context. Experiments and investigations increase awareness of international collaboration in resolving environmental problems. Core elements of IB Environmental Systems and Studies include extended essay, theory of knowledge and creativity, action service. Junior- or senior-year course; students may sit for the IB Environmental Systems and Societies SL (Standard Level) assessment upon completion. Satisfies Earth/Environmental graduation requirement for Future Ready Core.

Physical Science

Physical Science (34102X0H15 *Regular*)
Study the physical nature of the world through qualitative and quantitative methodologies. Laboratory-based experiences make use of mathematical reasoning in exploring aspects of both chemistry and physics. Topics include forces and motion, properties and changes of matter and, conservation and transfer of energy to extend foundational knowledge. Prerequisites: Algebra I, Integrated Math I or Math I.

Chemistry (34202X0H15 *Regular;* **34205X0H15** *Honors)*
Study the structure of matter along with chemical reactions and the conservation of energy in these reactions. Laboratory-based experiences and investigations explore energy conservation and transfer in addition to the interactions of matter and energy while using the language of mathematics to describe observations. Honors course requires individual research projects. Prerequisites: Biology, Algebra II, Integrated Math III or currently enrolled in Math III).

Physics (34302X0H15 *Regular,* **34305X0H15** *Honors)*
Study the natural phenomena of matter and its motion through space and time. Laboratory-based experiences and investigations explore forces and motion, energy conservation and transfer in to the interactions of energy and matter while using the language of mathematics to describe observations. Honors course requires individual research projects. Prerequisites: Algebra II, Integrated Math III or Math III.

Aerospace Science II (95022X0H20) *North and Reagan*
Study principles of aircraft flight, propulsion systems and the human body's reaction to flight and space travel. Take a flight in a small aircraft, and use a cockpit simulator. Study Air Force customs, drill, and uniform. Can be used as an elective science credit for graduation. Must adhere to the U.S. Air Force Junior Reserve Officers' Training Corps program.

AP Chemistry (31207X0H10) *AP - Career Center*
Study the structure of matter, kinetic theory of gases, chemical equilibrium, chemical kinetics and the basic concepts of thermodynamics. Laboratory-based course provides extensive exploration of structure and stages of matter, chemical reactions, and descriptive chemistry require qualitative and quantitative analysis using the language of mathematics to describe observations. Prerequisites: Chemistry and Algebra II, Integrated Math III or Math III.

AP Physics I (30637X0H10) *AP - Career Center*
Study and explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Prerequisites: Students should have completed Geometry or Math II and be concurrently taking Algebra II, Math III or an equivalent course.

AP Physics II (31407X0H10) *AP - Career Center*
Study and explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. Pre-requisites: Students should have had AP Physics 1 or (Honors) Physics. Students should have taken or be concurrently taking pre-calculus or an equivalent course.

IB Chemistry
Study chemical principals of the physical environment and biological systems within a global context. Experiments and investigations increase awareness of how chemists work. Core elements of IB Chemistry include extended essay, theory of knowledge and creativity, action, service. Junior- or senior-year course; students may sit for the IB Chemistry Standard Level assessment upon completion. Prerequisites: Chemistry and Algebra II, Integrated Math III or Math III. *Please ask your counselor for course number.*

IB Physics (32318X0H10)
Study the impact of physics on society, the moral and ethical dilemmas, and social-economic and environmental implications of the work of physicists. Experiments and investigations increase awareness of how physicists work. Core elements of IB Physics include extended essay, theory of knowledge and creativity, action, service. Junior- or senior-year course; students may sit for the IB Physics Standard Level assessment upon completion. Prerequisites: Algebra II, Integrated Math III or Math III.

Social Studies

World History (43032X0H15 Regular, **43035X0H45** Honors)
Examine six periods in the study of World History, with a key focus of study from the mid 15th century to present. Students study major turning points that shaped the modern world. They develop relevant understandings of current world issues and relate them to their historical, political, economic, geographical and cultural contexts. Additional research, reading and writing assignments required for honors level. Meets graduation requirement for World History.

Honors Seminar I (43035X0H55)
Develop critical thinking skills. Learn to process knowledge across several curriculum areas. Examine the historical roots of significant events, ideas, movements and phenomena around the world. Broaden your historical perspectives as you explore ways societies have dealt with continuity and change. Extensive research projects are required. *Meets graduation requirement for World History.*

Social Studies Flow Chart

Grade 9	Grade 10	Grade 11	Grade 12
World History	Civics and Econ	American History I	American History II
World History (HN)	Civics and Econ (HN)	American History I (Hon)	American History II (Hon)
Honors Seminar I	Honors Seminar II	AP U.S. History	Social Studies Elective

For the Classes of 2016 and beyond, four social studies units are required for graduation.

Civics and Economics (42092X0H15 *Regular,* **42095X0H15** *Honors*)
Study the basic tenets of American democracy, practices of American government as established by the U.S. Constitution, basic concepts of American politics and citizenship, concepts in macro and micro economics, and concepts in personal finance. The course prepares students to become responsible and effective citizens in an interdependent world. This course serves as a foundation for U.S. History and is required for graduation. Additional research, reading and writing assignments required for honors level.

Honors Seminar II (42095X0H25)
Study Civics and Economics in a thematic approach. Extensive research projects are required. *Meets the graduation requirement for Civics and Economics*.

American History I (43042X0H15 *Regular,* **43045X0H15** *Honors*)
The course covers the European exploration of the new world through Reconstruction. Examines the historical and intellectual origins of the United States from European exploration and colonial settlement to the Revolutionary and Constitutional eras. Students learn about the important political and economic factors that contributed to the development of colonial America and the outbreak of the American Revolution, as well as the consequences of the Revolution, including the writing and key ideas of the U.S. Constitution. Study the establishment of political parties, America's westward expansion, the growth of sectional conflict, how that sectional conflict led to the Civil War, and the consequences of the Civil War, including Reconstruction.

American History II
The course covers the late 19th century through the early 21st century. Examines the political, economic, social and cultural development of the United States from the end of the Reconstruction era to present times. Traces the change in the ethnic composition of American society; the movement toward equal rights for racial minorities and women; and the role of the United States as a major world power. An emphasis is placed on the expanding role of the federal government and federal courts as well as the continuing tension between the individual and the state. Students develop an understanding of the cause-and-effect relationship between past and present events, recognize patterns of interactions, and understand the impact of events on the United States in an interconnected world. *Please ask your counselor for course number.*

Bible History A (43162X0H1S *Regular*, **43165X0H1S** *Honors*) **and B (43162X0H2S** *Regular*, **43165X0H2S** *Honors*) *Semester*
Study the literary forms of the Bible and Biblical leaders. Examine the influence of the Bible on history, law, American life and culture. Learn about the history, geography, religion and politics of the Middle East. Students may take one or both of these courses, in any order. Completion of World History is recommended before enrolling in this course. Does not meet the graduation requirement for World History. These courses are paired together for scheduling purposes.

World Geography (45012X0H1S *Regular,* **45015X0H1S** *Honors) Semester*
Examine the relationship between geography and the economic, political, social, historical and cultural aspects of human activity. Additional research, reading and writing assignments required for honors level. *This course does* ***not*** *meet the graduation requirement for World History. It will be paired with International Relations for scheduling purposes*.

International Relations (42032X0H1S *Regular,* **42035X0H1S** *Honors) Semester*
Examine factors that influence relations between nations and their political and economic alignments. Study current international issues. Additional research, reading and writing assignments required for honors level. Completion of World History and U.S. History is recommended before enrolling in this course. *This course does* ***not*** *meet the graduation requirement for World History. It will be paired with World Geography for scheduling purposes*.

Psychology (44032X0H15 *Regular*, **44035X0H25** *Honors*)
Scientific study of human growth, development and behavior, the effects of emotion on behavior, and how humans adapt and interact in a variety of environments. Additional research, reading and writing assignments required for honors level.

Western Humanities (46052X0H15 *Regular,* **46055X0H25** *Honors)*
Develop understanding of literature, painting, music, drama, architecture, history and philosophy in western culture. Study development from ancient times to the present age. Additional research, reading and writing assignments required for honors level, including an extensive research paper.

World Humanities (46062X0H15/46065X0H15 *Honors*)
Study of the ways in which people from every period of history process and document the human experience. Students will use a contemporary global lens to examine the philosophy, literature, religion, art, music and language of Europe and the non-western cultures from Asia, Africa, and the Middle East from the 16th century to the modern era. Through the seminar experience, students should recognize enduring human problems while learning content and skills necessary for engaged global citizenship.

African-American Studies (46002X0H1S *Regular,* **46005X0H1S** *Honors*) *Semester*
Discover how African-Americans have always been an integral part of the American experience. African-Americans also have been a viable force with their own experiences, culture and aspirations. Additional research, reading and writing assignments required for honors level.

Latino-American Studies (46002X0H2S *Regular,* **46005X0H2S** *Honors*) *Semester*
Study the diverse history and culture of Latin America and Latino Americans, from life before Columbus to contemporary life in the United States and North Carolina. Focus on immersion in the Western Hemisphere's oldest civilizations and Latino Americans in North Carolina. Additional research, reading and writing assignments required for honors level. This course would compliment enrollment in any Spanish course.

Sociology (44002X0H1S *Regular,* **44005X0H1S** *Honors) Semester*
Designed to give students the tools necessary to concentrate on the systematic study of society and human interaction. Using observation, the scientific method and cross-cultural examination, students will discover how patterns of behavior develop, culture is learned, and social predictions are made. Additional research, reading and writing assignments required for honors level.

20th Century Civil Liberties and Civil Rights (43082X0H15 *Regular,* **43085X0H15** *Honors*)
Examine the history, struggles, successes and similarities of diverse groups of twentieth-century Americans who protested on behalf of civil liberties and civil rights. The study will include the twentieth century social movements for greater freedom and equality led by and for various groups of Americans. Because of past and current global calls for universal human rights based on Jefferson's ideals, this course should promote the interconnected civil liberties and civil rights narrative of a people, a nation, and a world.

AP Government and Politics: United States (42027X0H1S) *AP - Semester - Career Center*
Study American political institutions, beliefs and practices, political parties and ideologies. Analyze and compare different American political systems. Study, discuss and debate contemporary politics. *(Paired with AP Government and Politics: Comparative for scheduling.)*

AP Government and Politics: Comparative (42017X0H1S) *AP - Semester - Career Center*
Study concepts that political scientists use to examine the processes and outcomes of politics in a variety of national settings. Students will understand the rich diversity of political life, government processes and policy outcomes, and the importance of global political and economic changes. Identifying problems and analyzing policy-making are essential skills in comparing countries and their government systems (six nations form the core of the study: China, Great Britain, Mexico, Nigeria, and Russia) *(Paired with AP Government and Politics: United States for scheduling.)*

AP United States History (43077X0H10) *AP - Career Center and all high schools*
Develop the analytical skills and enduring understandings necessary to deal critically with the problems and materials in United States history. Students should learn to assess historical materials—their relevance to a given interpretive problem, their reliability, and their importance—and to weigh the evidence and interpretations presented in historical scholarship. An AP United States History course should thus develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in an essay format. Meets graduation requirements for U.S. History.

AP European History (43027X0H10) *AP - Career Center*
Study Europe from the late Medieval Period (c. 1450) to the present, including social, political, diplomatic, economic, cultural and intellectual themes in European history. Students will develop analytical thinking and writing skills as they deal with historical evidence and interpretation.

AP World History (43107X0H10) *AP - Career Center and all high schools*
Use relevant factual knowledge taken from primary and secondary sources with high-order thinking skills to acquire a greater understanding of the development of global processes, from ancient times to the present day. The course emphasizes the character of change and continuity in world structures and their impacts. Furthermore, this study will evaluate the interchange of major societies in the global community and the results of that interplay.

AP Human Geography (45027X0H10) *AP - Career Center and all high schools*
Study patterns and processes that have shaped human understanding, use and alteration of the Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools that geographers use in their science and practice.

AP Microeconomics (46027X0H1S) *AP - Semester, Career Center*
Study principles of economics that apply to the functions of individual decision makers (consumers and producers) within the larger economic system. Focus on the nature and functions of product markets, factor markets, and the role of government in promoting efficiency and equity in the economy. *Paired with AP Macroeconomics for scheduling*.

AP Macroeconomics (46037X0H1S) *AP - Semester, Career Center*
Study principles of economics that apply to the economic system as a whole. Focus on national income and price determination, economic performance measures, economic growth and international economics. *Paired with AP Microeconomics for scheduling*.

AP Psychology (44067X0H10) *AP - Career Center and all high schools*
Examine the scientific study of human development, behavior, learning, motivation, and personality. Learn the history of psychology as a science, theories of behavior and research methods, including statistics to analyze data.

IB Psychology I (44038X0H10)
Cover three psychological perspectives, research methodology and simple experimental study. Junior- or senior-year course; upon completion, students may sit for the IB SL Psychology exam.

IB Psychology II (44048X0H10)
Examine four psychological perspectives, research methodology and an in-depth experimental study. Senior-year course; students may sit for the IB HL Psychology assessment upon completion. Prerequisite: IB Psychology I.

IB History of the Americas (43138X0H10)
Study the social, political and economic histories of the United States. Examine parallel events, movements and ideologies in Canada and Latin America. Junior-year course. Prerequisite: IB Psychology I. Meets graduation requirement for U.S. History.

IB 20th Century World Topics (43148X0H10)
Focus on 20th century world history, including the causes and effects of wars, the Cold War and the rise and rule of single-party nation states. Senior-year course.

IB Theory of Knowledge (90008X0H10)
Reflect critically on the knowledge and experience gained inside and outside the classroom. Question the core of knowledge and explore the deviation between various ways of knowing.

IB Philosophy (44058X0H10)
Philosophy deals with issues that are profound, complex, challenging and important for humanity. The Diploma Programme philosophy course aims to be inclusive and to deal with a wide range of issues that can be approached in a philosophical way. A concern with clarity of understanding lies at the core of the philosophy course.

IB Information Technology in a Global Society I (BI058X0H10)
Study and evaluate the impact of information technology on individuals and society. Explore the advantages and disadvantages of using digitized information at the local and global level. Junior- or senior-year course; upon completion, students may sit for the IB SL ITGS assessment.

Special Offerings

Driver Education
Driver Education is offered after school hours. Students do not receive course credit. Students who are 14 1/2 and older may apply; the oldest students are accepted first. The course includes classroom and in-car instruction. Registration is done online at ncdrivingschool.com. The course costs $55.

Real World 101 - Interdisciplinary Seminar and Lab (10292X0H1S *Regular,* **10295X0H2S** *Honors) Semester*
Assists students in synthesizing to solve real world and applied problems. Students will take the locally developed Workforce Standards Exam as part of this course.

Test Preparation (96022X0H1S) *Semester*
Study word parts and vocabulary. Review grammar, usage and mechanics rules and applications. Prepare students to write a 25-minute timed essay from all genres of writing. Learn and enhance reading comprehension strategies for use in SAT/ACT preparation.

Service to School and Community (96102X0H10)
Use your skills to help others. Special requirements and opportunities may exist at your school. Ask your counselor for information. For juniors and seniors.

Teacher Cadet Program (96042X0H15 *Regular,* **96045X0H15** *Honors)*
Investigate education as a possible career. Observe classroom instruction and experience a teacher's role. Shadow members of the school staff to learn about the total operation of a school. For academically able students who possess exemplary interpersonal and leadership skills.

Study Skills I, II, III and IV (96100X0H10)
Learn alternative strategies for gathering, recording, synthesizing, organizing and remembering information in individualized and small group instruction. Classroom content is often used as the basis for instruction. For students with exceptional child certification.

Career and Technical Education

Career Clusters

Career Clusters are groupings of occupations and career specialities that are used as an organizing tool for curriculum and instruction. There are 13 clusters.

Each cluster is presented with the individual courses students may select in the Career Technical Education section of the handbook, which begins on page 22.

The cluster sequences are designed as a tool to assist in streamlining the path through which students meet their educational goals and are ultimately employed in high-skill, high-wage, or high-demand occupations and nontraditional fields.

Agricultural Education

Agriscience Applications (AU102X0H15)
Develop skills that focus on integrating biological and physical sciences with technology as related to the environment, natural resources, food production, science and agribusiness. Topics include agricultural awareness and literacy, leadership and FFA, employability skills, and introduction to all aspects of the agricultural industry. Supervised agricultural programs and FFA leadership activities provide opportunities to apply skills.

Environmental and Natural Resources Studies I (AN512X0H15) and II (AN522X0H15)
Topics include environmental studies, including renewable and non-renewable resources, history of the environment, personal development, water and air quality, waste management, land use regulations, soils, meteorology, fisheries, forestry and wildlife habitat.

Horticulture I (AP412X0H15) and II (AP422X0H15)
Topics include plant growth and development, plant nutrition, media selection, basic plant identification, pest management, chemical disposal, greenhouse production and management, bedding plant production, watering systems, light effects, landscape design, installation and maintenance, lawn and turf grass management, career planning, and leadership/personal development. Supervised agricultural programs and FFA leadership activities provide opportunities to apply skills.

Business, Finance & Information Technology

Accounting I (BA102X0H15)
Study basic principles of accounting cycle. Emphases include careers, business ownership, analyzing and recording business transactions, and preparing and interpreting financial statements, accounting systems, banking and payroll. Math and critical thinking skills are reinforced. Prerequisite: Keyboarding skills recommended.

Accounting II (BA205X0H15 *Honors*)
Develop in-depth knowledge of accounting procedures and techniques used to solve business problems and make financial decisions. Emphases include partnership and corporate accounting, adjustments and inventory control, budgetary control, cost accounting and employment skills. Prerequisite: Accounting I.

Agricultural, Food & Natural Resources

Pathways	Cluster Foundation Courses			
Nat'l Resources Systems	Agriscience Applications	Environmental & Natural Resources I	Environmental & Nat'l Resources II*	CTE Adv Studies
Plant Systems		Horticulture I	Horticulture II*	

Cluster Enhancement Courses: Career Management; Microsoft Word, PowerPoint & Publisher; Microsoft Excel & Access; Marketing; Culinary Arts & Hospitality; Entrepreneurship I; Principles of Business & Finance; CTE Internship

* Indicates completer course

Business Law (BB302X0H15)
Explore basic legal principles common to all aspects of business and personal law. Business topics include contract law, business ownership including intellectual property, financial law, and national and international laws. Personal topics include marriage and divorce law, purchasing appropriate insurance, renting and owning real estate, employment law and consumer protection laws. Prerequisite: Principles of Business and Finance.

Business Management (BB402X0H55)
Explore understanding of management, including customer relationship management, human resources management, information management, knowledge management, product-development management, project management, quality management and strategic management. Economics, finance, and professional development are also stressed. Prerequisite: Principles of Business and Finance.

E-Commerce I (BW125X0H15 *Honors*)
Designed to help students master skills in the design and construction of complex Web sites for conducting business electronically. Emphasis is on advanced Web page construction and entrepreneurial applications of conducting business electronically. This course also covers economic, social, legal and ethical issues related to electronic business. Students will plan, design, create, publish, maintain and promote an electronic business Web site. Prerequisite: Multimedia and Webpage Design.

E-Commerce II (BW145X0H15 *Honors*)
Master advanced skills in electronic commerce security; payment infrastructure; secure electronic transactions; and electronic commerce order entry, tracking and fulfillment. Emphasis is on marketing techniques for websites, and tracking and using customer, sales and other databases in electronic commerce sites. Prerequisite: E-Commerce I.

Entrepreneurship I (ME112X0H15)
Evaluate the concepts of going into business and working for or operating a small business. Emphasis is on the exploration of feasible ideas of products/services, research procedures, business financing, marketing strategies, and access to resources for starting a small business. Develop components of a business plan and evaluate startup requirements. Prerequisite: Marketing, Personal Finance, or Principles of Business and Finance.

Entrepreneurship II (ME122X0H15)
Develop an understanding of pertinent decisions to be made after obtaining financing to open a small business. Acquire in-depth understanding of business regulations, risks, management, and marketing. Develop a small-business management handbook. Prerequisite: Entrepreneurship I.

Microsoft ITA: Word and PowerPoint (BM102X0H15)
Students use world-class Microsoft curriculum and cutting-edge software tools to tackle real-world challenges in the classroom environment. Students learn to create, edit, organize, and share a virtual notebook. They use the newest versions of Microsoft Word, PowerPoint and Publisher's interface, commands, and features to create, enhance, customize and share documents, presentations and publications.

Microsoft ITA: Excel and Access (BM202X0H15)
Students use world-class Microsoft curriculum and cutting-edge software tools to tackle real-world challenges in the classroom environment. Students use the newest versions of Microsoft Excel and Access to present, analyze, and manipulate various types of data and databases. Students learn to manage workbooks as well as how to manage, manipulate and format data. Students also learn how to create and work with a database and its objects. Students

Business, Management & Administration

Pathways	Cluster Foundation Courses			
General Management	Principles of Business & Finance	Accounting I	Business Management*	CTE Advanced Studies
	Microsoft Word, PowerPoint & Publisher		Business Law*	Entrepreneurship II
			Entrepreneurship I*	

Cluster Enhancement Courses: Career Management; Multimedia and Webpage Design; Microsoft Excel & Access; Marketing; Strategic Marketing; Personal Finance; CTE Internship

* Indicates completer course

Seniors in the Academy of Finance
Seniors in the Academy of Finance will take two dual-enrollment courses at Forsyth Technical Community College. Students will typically take International Business (INT110) in the fall and Financial Planning (BAF143) in the spring. These are college-level courses that carry honors credit.

create, modify, and locate information as well as how to create programmable elements and share and distribute database information.

Multimedia and Webpage Design (BW102X0H15)
This revised course focuses on desktop publishing, graphic image design, computer animation, virtual reality, multimedia production, and webpage design. Communication skills and critical thinking are reinforced through software applications.

National Academy of Finance I: Principles of Accounting (CN125X0H1S); Applied Finance (CN175X0H1S) *East Forsyth and West Forsyth; .5 unit each*
Consists of two courses provided by NAF: Principles of Accounting and Applied Finance. Topics include basic accounting, banking and credit, insurance and securities.

Principles of Business and Finance (BF102X0H15)
Study the rights and responsibilities of a consumer and worker, career opportunities, credit, money management, budgeting, investments, free enterprise and economic systems as they relate to the global economy. *May be used as a math credit after completion of the course of study math graduation requirements*.

Career Development

Career Management (CC452X0H15)
Designed to develop the fundamental attitudes and behaviors needed to secure employment and advance in a career. Skills are generic to all occupations and emphasize proficiency in the workplace, problem solving, teamwork and self-management. The work-based learning strategy appropriate for this course is an internship.

Family & Consumer Sciences

Apparel I (FA312X0H15)
Examine clothing production areas, including preparation for clothing construction, basic clothing construction techniques, consumer decisions, textiles, historical perspectives and design and career opportunities. Skills will be applied to apparel and home fashion.

Apparel II - Enterprise (FA322X0H15 *Regular*, **FA325X0H15** *Honors*)
Examine advanced clothing and housing apparel development skills. The use of fibers and fabrics is combined with design and construction techniques to develop and produce clothing or housing apparel products. A real or simulated apparel business enterprise and FCCLA activities allow students to apply instructional strategies and workplace readiness skills to an authentic experience and to develop a portfolio. Prerequisite: Apparel I.

Introduction to Culinary Arts and Hospitality (FH202X0H15) *One Period - Career Center*
Focus on basic safety and sanitation practices, leading to a national industry-recognized food safety credential. Commercial equipment, small-wares, culinary math, and basic knife skills in a commercial foodservice facility are taught.

Culinary Arts and Hospitality I (FH212X0H15)
One Period - Career Center
Focus on basic skills in cold and hot food production, baking and pastry and service skills. Prerequisite: Introduction to Culinary Arts and Hospitality.

Culinary Arts and Hospitality II (FH222X0H10)
Two Periods - Career Center
Offers advanced experience in food production, management, hospitality and service. Study business management, menu planning and advanced food preparation. Skills in mathematics, communications, creative thinking, art and entrepreneurship are reinforced. Refine and practice skills for appropriate food service or hospitality through catering and hands-on experiences. Prerequisite: Culinary Arts and Hospitality I.

Early Childhood Education I (FE112X0H10)
Two Periods - Career Center
Prepare for a career working with children from birth to 8. Emphasis on enhancing the development of young children while providing care or teaching. Topics include health, safety, guidance and developmentally appropriate activities. Skills in communication and interpersonal relationships are reinforced. Refine and practice skills in off-campus, state-licensed childcare centers. Off-campus internships are a part of the program for all students. Recommended: Parenting and Child Development.

Early Childhood Education II (FE125X0H10 *Honors*) *Two Periods - Career Center*
Students learn about licensing procedures, management of a childcare center and designing space. They also explore the needs of exceptional children. Planning activities for school-age programs and working with infants and toddlers are parts of the curriculum. Students participate in off-campus internships approximately one-half of classroom time. Prerequisite: Early Childhood Education I.

Foods I (FN412X0H15)
Emphasizes the relationship of diet to health and the selection of foods to satisfy needs. Learn to use and care for the kitchen while learning to prepare, store and serve a variety of foods.

Finance

Pathways	Cluster Foundation Courses			
Business Finance	Principles of Business & Finance	Accounting I	Accounting II*	Entrepreneurship I
	Personal Finance			Business Law
	Microsoft Excel & Access			CTE Advanced Studies
Finance Academy (East Forsyth and West Forsyth	Principles of Business & Finance	AOF Principles of Accounting AOF Applied Finance	CTE Community College*	CTE Community College*

Cluster Enhancement Courses: Career Management; Microsoft Word, PowerPoint, & Publisher; Marketing; Strategic Marketing; CTE Internship

* Indicates completer course

Human Services

Pathways	Cluster Foundation Courses			
Early Childhood Development & Services	Teen Living	Parenting & Child Development	Early Childhood Education I	Early Childhood Education II*
	Personal Finance			
	Principles of Business & Finance			
Personal Care Services	Personal Finance	Cosmetology I	Cosmetology II*	CTE Advanced Studies
	Principles of Business & Finance			

Cluster Enhancement Courses: Career Management; Microsoft Word, PowerPoint, & Publisher; Microsoft Excel & Access; Foods I; Entrepreneurship I; CTE Internship

* Indicates completer course

Hospitality & Tourism

Pathways	Cluster Foundation Courses			
Restaurants & Food/ Beverage Service	Foods I	Intro to Culinary Arts & Hospitality	Culinary Arts & Hospitality I	Culinary Arts & Hospitality II*
		Foods II - Ent* (Kennedy)	ProStart I (Kennedy)	ProStart II* (Kennedy)
Travel & Tourism	Sports & Entertainment Marketing I	Sports & Entertainment Marketing II*	Entrepreneur-ship I	Entrepreneur-ship II
	Marketing	Hospitality & Tourism*		CTE Advanced Studies
AOHT Academy (Carver)	AOHT Principles of Hospitality & Tourism	AOHT Geography for Tourism	AOHT Sustainable Tourism*	CTE Community College Course
	AOHT Delivering Great Customer Service	AOHT Hospitality Marketing	AOHT Sports, Entertainment & Event Planning*	

Cluster Enhancement Courses: Career Management; Multimedia and Webpage Design; Microsoft Word, PowerPoint, & Publisher; Microsoft Excel & Access; Foods I; Principles of Business & Finance; Personal Finance; CTE Internship

* Indicates completer course

Architecture & Construction

Pathways	Cluster Foundation Courses			
Design/Pre-construction	Teen Living	Interior Design I	Interior Design II*	Interior Applications
	Personal Finance			CTE Advanced Studies
	Principles of Business & Finance			

Cluster Enhancement Courses: Career Management; Multimedia & Webpage Design; Microsoft Word, PowerPoint, & Publisher; Microsoft Excel & Access; Marketing; Fashion Merchandising; Apparel I; Entrepreneurship I; CTE Internship

* Indicates completer course

Foods II – Enterprise (FN422X0H15) *Kennedy only*
This course focuses on advanced food preparation techniques while applying nutrition, food science and test kitchen concepts using new technology. Food safety and sanitation receive special emphasis, with students taking the exam for a nationally recognized food safety credential. Prerequisite: Foods I.

Foods II – Technology (FN435X0H15) *Honors - Atkins only*
This course explores the food industry from the farm to the table using skills in food science, technology, engineering and mathematics. Government regulations, emerging trends, biotechnology and technological career opportunities from scientists to technicians will be presented. Prerequisite: Foods I.

Interior Design I (FI512X0H15)
Focus on housing needs and options of individuals and families at various stages of the life cycle. Emphasis is placed on selecting goods and services and creating functional, pleasing living environments using sound financial decisions and principles of design. Topics of study include elements and principles of design, backgrounds and furnishings, architectural styles and features, and functional room design.

Interior Design II (FI522X0H15)
Focus on entry-level and technical work opportunities in the residential and non-residential interior design fields. Explore understanding of design fundamentals and theory by designing interior plans to meet living space needs of specific individuals or families. Topics include application of design theory to interior plans and production, selection of materials, and examination of business procedures. Prerequisite: Interior Design I.

Interior Applications (FI532X0H15)
Prepare for entry-level and technical work opportunities in interior design. Develop interior applications to meet clients' needs using components found in residential and non-residential settings. Apply design, selection, production, and renovation skills to wall and floor coverings, lighting, windows, case goods, and upholstered furniture. Prerequisite: Interior Design II.

Parenting and Child Development (FE602X0H15)
Introduces students to responsible nurturing, prenatal care, basic child development stages and problems associated with young parenting. Emphasis on the parents' responsibilities and influence on children.

Personal Finance (BF052X0H15)
Students learn about planning and spending, planning a career, managing as a family member, making smart decisions, managing assets, and using consumer resources. Related mathematics and communication skills are integrated into the course. Financial skill applications are grounded in the context of family and consumer-sciences content areas.

ProStart I (FH712X0H15) *Kennedy only*
This national credentialing and fundamental food service course allows students to master kitchen basics, such as foodservice equipment, nutrition, breakfast foods, salads and garnishes, and fruits and vegetables. A heavy emphasis is placed on safety and sanitation, including preparing and serving safe food and preventing accidents and injuries. A required, one-credit paid or unpaid 200-hour internship will count toward the National ProStart Certificate of Achievement at the conclusion of ProStart II.

ProStart II (FH722X0H15) *Kennedy only*
Students study advanced skills in the hospitality industry, including tourism and the retail industry, the history of foodservice and the lodging industry. Advanced food service skills include potatoes and grains, meat, poultry, seafood, stocks, soups and sauces, desserts and baked goods. Students learn purchasing and inventory control, standard accounting practices, and how to build restaurant sales through marketing a menu. A required, one-credit paid or unpaid 200-hour internship counts toward the National ProStart® Certificate of Achievement at the end of ProStart® II. Prerequisite: ProStart I.

Teen Living (FU102X0H15)
Investigate life-management skills through lab and classroom studies of personal and family living; wellness, nutrition and foods; resource management; living environments; caring for children; fashion and clothing; and job readiness.

Health Science

Biomedical Technology (HB102X0H15)
Atkins only
Challenges students to investigate the link between medical and health care practices and the sciences that helped produce them. Topics include the world of biomedical research, the language of medicine, present and evolving biomedical specialties, biomedical ethics, cancer biology, forensic science, and infectious disease. Prerequisite or Corequisite: Biology.

Biotechnology I (72092X0H15) & II (72092X0H25) *Atkins only*
These courses use investigative approaches to study the basics of biotechnology research and practices, as well as the application of biotechnology tools used in bringing a biomedical product to market. Prerequisite: Biomedical Technology.

Forensic Science (72092X0H35 *Regular*, **72095X0H35** *Honors*) *Atkins Only*
Addresses skills and techniques used to process a crime scene, investigate a death, and the forensic analysis of crime scene evidence. Students will study crime scene recording and evidence collection, fingerprinting, death investigation, blood and DNA evidence, trace evidence and computer forensics. Students must apply their knowledge of chemistry, physics, biology and human anatomy to complete labs and solve problems presented in this course. Prerequisite: Biotechnology I.

Health Science I (HU402X0H15 *Regular*, **HU405X0H15** *Honors*)
Focus on human anatomy, physiology and human body diseases and disorders, and biomedical thera-

Health Science

Pathways	Cluster Foundation Courses			
Biotechnology Research and Development	Biomedical Technology (Atkins)	Biotechnology I (Atkins)	Biotechnology II* (Atkins)	Forensic Science (Atkins)
Therapeutic Services Diagnostic Services Health Informatics Support Services	Health Team Relations	Allied Health Sciences I	Health Science II*	Nursing Fundamentals CTE Advanced Studies Pharmacy Technician (Kennedy)

Cluster Enhancement Courses: Career Management; Microsoft Word, PowerPoint, & Publisher; Microsoft Excel & Access; Marketing; Foods I; Parenting & Child Development; Entrepreneurship I; Principles of Business & Finance; Personal Finance; CTE Internship

* Indicates completer course

pies. Explore health care careers within the context of human body systems. Projects, teamwork, and demonstrations serve as instructional strategies that reinforce the curriculum content. English language arts and science are reinforced in this course.

Health Science II (HU422X0H15 *Regular*, **HU425X0H15** *Honors*)
This course focuses on the National Healthcare Foundation Standards and Accountability Criteria and the National Health Science Career Cluster Model pathway. The course is designed to help students expand their understanding of financing and trends of health care agencies, fundamentals of wellness, legal and ethical issues, concepts of teamwork, and effective communication. Students will learn health care skills related to the Health Science Career Cluster pathways. American Heart Association guidelines will be used for CPR and first aid training. This course contains a supplemental clinical internship. Language arts, mathematics, and communications are reinforced in this course. HOSA activities support networking with health care professionals through Volunteerism. Prerequisite: Health Science I or AHS 1.

Health Team Relations (HU102X0H15) *Kennedy, Walkertown*
Designed to assist potential health-care workers to function as team members. Topics include terminology, the history of health care, health care agencies, ethics, legal responsibilities, medical math, leadership and career decision-making. Work-based learning strategies include service learning, field trips and job shadowing.

Nursing Fundamentals (HN432X0H10 *Regular*, **HN435X0H15** *Honors*) *Two Credits*
Designed for students interested in medical careers where personal care and basic nursing skills are used. This course is an enhanced adaptation of the North Carolina Division of Health Service Regulation (DHSR) Nurse Aide I (NAI) curriculum and helps prepare students for the National Nurse Aide Assessment (NNAAP). Students who pass the NNAAP become listed on the NC NAI Registry. Prerequisite: Health Science II.

Pharmacy Technician (HH322X0H15) *Kennedy only*
Self-paced, online instruction designed to prepare high school seniors for a pharmacy technician career. Topics included are federal law, medication used in major body systems, calculations and pharmacy operations. Prerequisite: Health Science II.

Marketing & Entrepreneurship

Academy of Hospitality and Tourism I: Principles of Hospitality (CN505X0H1S); Customer Service (CN535X0H1S) *Carver only; .5 unit each*
Introduction to career opportunities in the hospitality and tourism industry. Emphasis on principles of hospitality and tourism, customer needs and expectations, economic and environmental implications, domestic and international travel and cross-cultural awareness.

Academy of Hospitality and Tourism II: Geography and World Cultures (CN525X0H1S); Hospitality Marketing (CN535X0H1S *Honors*) *Carver only; .5 unit each*
Preparation for opportunities in the hospitality and tourism industry. Emphasis on geography and world culture and hospitality marketing. Students explore the world's geographic regions and factors that create desirable travel destinations. Focus on creating marketing plans and career opportunities in the field of hospitality marketing.

Academy of Hospitality and Tourism III: Sustainable Tourism (CN545X0H1S); Event Planning (CN555X0H1S *Honors*) *Carver only; .5 unit each*
Students begin by looking at the profound changes taking place worldwide in the tourism industry. Students examine the environmental and socioeconomic impacts, as well as the transition to a greener tourism economy. They explore tourism development in terms of increased sustainability, profitability, and benefits to the surrounding communities, and they examine ecotourism as a model for sustainability. Students also learn the skills and knowledge required in the event planning profession, including sports, entertainment and performing arts events. They examine careers in the field of sustainable tourism and event planning.

Entrepreneurship I (ME112X0H15)
Please see description on page 22.

Entrepreneurship II (ME122X0H15)
Please see description on page 22.

Fashion Merchandising (MH322X0H15)
For students interested in a career in the fashion industry. Topics include an overview of the fashion industry, evolution and movement of fashion, career development, risk management, promotion and fashion-show production.

Hospitality and Tourism (MH422X0H15)
Provides an introduction to the industry of travel, tourism, and recreational marketing. Learn about the impact of tourism, marketing strategies of the major hospitality and tourism segments, destinations, and customer relations. Emphasis is on career development, customer relations, economics, hospitality and tourism, travel destinations and tourism promotion. Prerequisite: Marketing or Sports and Entertainment Marketing I.

Marketing (MI212X0H15) (Work Experience MM516X0H15 *optional for juniors and seniors)*
Develop basic knowledge, skills and attitudes that will prepare them to enter the field of marketing. Emphasis is on marketing and business foundations, economic foundations and human resource foundations. Included in these are concepts such as communications, selling, pricing, promotion, marketing-information management, and product/service planning.

Seniors in the Academy of Hospitality and Tourism
Seniors in the Academy of Hospitality and Tourism will take two dual-enrollment courses at Forsyth Technical Community College. Students will typically take Principles of Management (BUS 137) in the fall and Principles of Marketing (MKT 120) in the spring. These are college level courses that carry honors credit.

Marketing

Pathways	Cluster Foundation Courses			
Marketing Management	Principles of Business & Finance	Marketing Management	Entrepreneurship I*	Entrepreneurship II
Merchandising	Marketing			
Professional Sales	Fashion Merchandising		Strategic Marketing	CTE Advanced Studies

Cluster Enhancement Courses: Career Management; Multimedia and Webpage Design; Microsoft Word, PowerPoint, & Publisher; Microsoft Excel & Access; Business Law; Apparel I; Personal Finance; CTE Internship

* Indicates completer course

Marketing Management (MA522X0H15) (MA526X0H15 Work Experience *optional for juniors and seniors)* Designed to continue the foundations covered in Marketing or Fashion Merchandising. Topics include recruiting, hiring, training and evaluating employees; information management; purchasing; pricing; ethics; sales management; and financing. Prerequisite: Marketing or Fashion Merchandising.

Sports and Entertainment Marketing I (MH312X0H15)
Designed for students interested in sports, entertainment and event marketing. Emphasis placed on branding, licensing, and naming rights; business foundations; concessions and on-site merchandising; economic foundations; promotion; safety and security; and human relations.

Sports and Entertainment Marketing II (MH322X0H15)
Designed for students interested in advanced study of sports, entertainment, and event marketing. Emphasis is placed on business management, career development options, client relations, ethics, events management, facilities management, legal issues and contracts, promotion and sponsorships. Prerequisite: Sports and Entertainment Marketing I.

Strategic Marketing Honors (MU925X0H15) (Work Experience MU926X0H15 *optional)*
This course focuses on the impact of marketing on society. Emphasis is placed on procedures used in buying behavior, procedures to manage marketing information, procedures to develop and manage products, pricing procedures, promotion, marketing channels, supply chain management, retail operations, and global marketing. The curriculum, activities and resources used in this course are written at the college freshman level.

Technology, Engineering & Design

Scientific and Technical Visualization I (TS212X0H15) - *Atkins only*
Emphasis on the use of complex graphic tools to understand technical, mathematical and scientific concepts. Visualization activities may include 2D and 3D graphics using photo editing software. Students explore 2D and 3D animation techniques. Prerequisite: Math I.

Scientific and Technical Visualization II (TS225X0H15 *Honors*) *Atkins only*
Learn advanced skills in the use of complex visualization tools for the study of mathematical and/or science concepts. Course mission is to build graphics/science/technology teams to work with architecture, fashion, engineering, art, science, and mathematics. Prerequisite: Scientific and Technical Visualization I.

Game Art and Design (TS312X0H15) - *Atkins Only*
This course introduces students to techniques used in the electronic game industry. Students' 2- and 3-dimensional images and animations come to life as they develop physical and virtual games. Emphasis is placed on team work as students take on the roles of lead artist, head programmer, music producer and project leader to create their games. Game art, history, ethics, plot development, storyboarding and programming are surveyed. Prerequisite: Scientific and Technical Visualization II.

Information Technology

Pathways	Cluster Foundation Courses			
Web & Digital Communications	Principles of Business & Finance	Multimedia & Webpage Design	e-Commerce I*	e-Commerce II
Information Support & Services				CTE Advanced Studies
Network Systems	Microsoft Excel & Access	Network Engineering Technology I (CISCO)	Network Engineering Technology II* (CISCO)	

Cluster Enhancement Courses: Career Management; Microsoft Word, PowerPoint, & Publisher; Entrepreneurship I; Personal Finance; CTE Internship
* Indicates completer course

Advanced Game Art and Design (TS322X0H15) - *Atkins only*
This course continues the study of game design and interactive animation. Students work in collaborative teams modeled off the professional game design industry. Advanced topics include the use of audio and visual effects, rendering, modeling, and animation techniques. Three dimensional game programming is introduced. Emphasis is placed on visual design, evaluating, music production, scripting and network protocols. Prerequisite: Game Art and Design.

Engineering Design (TE132X0H15)
This course continues to apply the skills, concepts and principles of engineering. Students explore various technological systems and engineering processes in related career fields. Topics include investigating technological systems, designing optimization and problem solving. Students utilize CAD and physical and virtual modeling concepts to construct, test, collect and report data. Prerequisite: Technological Design.

Technology Engineering & Design (TE112X0H15)
This course focuses on the nature and core concepts of technology, engineering, and design. Through hands-on project-based activities, students are introduced to elements and principles of design, basic engineering, problem solving, and teaming. Students apply research and development skills and produce physical and virtual models.

Technological Design (TE122X0H15)
This course continues to apply the skills, concepts, and principles of design. The design fields of graphics, industrial design, and architecture receive major emphasis. Engineering content and professional practices are presented through practical application. Working in design teams, students apply technology, science, and mathematics concepts and skills to solve engineering and design problems. Students research, develop, test, and analyze engineering designs using criteria such as design effectiveness, public safety, human factors, and ethics. Prerequisite: Technology Engineering and Design.

Engineering/Project Lead the Way

Introduction to Engineering Design (TP115X0H15) *Honors - Atkins only*
A course that teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed and communicated using solid modeling computer design software. Prerequisite: Math I.

Digital Electronics (TP215X0H15 *Honors*) *Atkins only*
A course in applied logic that encompasses the application of electronic circuits and devices. Computer simulation software is used to design and test digital circuitry prior to the actual construction of circuits and devices. Prerequisite: Introduction to Engineering Design, Math 1.

Principles of Engineering (TP125X0H15) *Honors - Atkins only*
A course that helps students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing processes helps students learn how engineers and technicians use math, science, and technology in an engineering problem solving process to benefit people. The course also includes concerns about social and political consequences of technological change. Prerequisite: Intro to Engineering Design, Math II.

Civil Engineering and Architecture (TP235X0H15 *Honors*) *Atkins only*
This course provides an overview of the fields of civil engineering and architecture, while emphasizing the interrelationship and dependence the fields. Students use state-of-the-art software to solve real world problems and communicate solutions in hands-on projects and activities. Topics covered include the roles of civil engineers and architects, project planning, site planning, building design and project documentation and presentation. Prerequisite: Introduction to Engineering Design, Math I.

Computer Integrated Manufacturing (TP225X0H15 *Honors*) *Atkins Only*
A course that applies principles of robotics, automation, and CAD design. The course builds on computer solid modeling skills developed in Introduction to Engineering Design. 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. Prerequisites: Introduction to Engineering Design, Math I.

Engineering Design and Development (TP315X0H15) *Atkins only; seniors only*
An engineering research course in which students work 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 school year. Prerequisite: three of the following courses: Introduction to Engineering Design, Digital Electronics, Principles of Engineering, Civil Engineering and Architecture, and Computer Integrated Manufacturing.

Science, Technology, Engineering & Math

Pathways	Cluster Foundation Courses			
Engineering & Technology	Drafting I	Drafting II - Engineering*	Drafting III - Engineering	CTE Advanced Studies
	Technology Engineering & Design	Technological Design*	Structural Systems	
			Transportation Systems	
	PLTW Intro to Engineering Design (Atkins)	PLTW Digital Electronics* (Atkins)	PLTW Engineering Design & Development (Atkins)	
	PLTW Principles of Engineering (Atkins)	PLTW Computer Integrated Manufacturing* (Atkins)		
		PLTW Civil Engineering & Architecture* (Atkins)		
Science & Mathematics		Scientific & Technical Visualiation I (Atkins)	Scientific & Technical Visualiation II* (Atkins)	CTE Advanced Studies

Cluster Enhancement Courses: Career Management; Multimedia & Webpage Design; Microsoft Word, PowerPoint, & Publisher; Microsoft Excel & Access; Horticulture I; Entrepreneurship I; Principles of Business & Finance; Personal Finance; CTE Internship

* Indicates completer course

Trade & Industrial

Advanced Digital Media (IA322X0H15) *One period - Career Center*
Provides students with industry knowledge and skills in the digital media design field. Areas covered in this course include graphics, animation, video and web design. Emphasis placed on concepts of graphic design, various digital media technologies, non-linear editing, product development and design and career development. Prerequisite: Digital Media.

Adobe Video Design (II332X0H15) *One period - Career Center*
This course is a project-based course that develops skills in video design and production using Adobe tools. This course is aligned to Adobe Premiere certification and will use the Adobe curriculum. Prerequisite: Advanced Digital Media

Automotive Brakes (IT122X0H15) *One period - Career Center*
This course teaches installation, inspection, and troubleshooting of automotive brake systems. Automotive Service Technology programs in North Carolina are National Automotive Technician Education (NATEF) certified.

Automotive Electrical (IT142X0H15) *One period - Career Center*
This course emphasizes automotive electrical/electronics and basic electrical/electronic automotive preparation. Basic inspection, troubleshooting and repair of automotive electrical/electronic systems will be included in this course.

Automotive Service I (IT112X0H15) *One period - Career Center*
This course introduces basic automotive skills in service and safety, engine repair, automatic transmissions and transaxles, manual drivetrain and axles and job opportunities in the auto repair industry. As part of the NATEF accreditation, topics are aligned to the Maintenance and Light Repair (MLR) requirements.

Automotive Service II (IT162X0H15) *One period - Career Center*
This course introduces basic automotive skills in suspension and steering, heating and air conditioning and engine performance. As part of the NATEF accreditation, topics are aligned to the Maintenance and Light Repair (MLR) requirements.

Aviation Technology I (IL472X0H10) and II (IL482X0H10) *Two periods - Career Center*
Develop skills in the basic sciences related to careers in aviation and aerospace. Classroom and laboratory activities include study of aviation structures, and power plants leading to the aviation maintenance technician certificate.

Building Skills I (74092X0H15) *Kennedy only*
This course is designed to introduce students in the Construction and Design Academy to several trades in the construction industry. Topics include green construction, wall framing, roof framing, concrete, plumbing, and electrical. Hands-on projects and site visits will be an integral part of this course.

Building Skills II (74090X0H25) *Kennedy only*
This course studies cabinetmaking, communications, drywall, finish carpentry, masonry, painting, tile setting, surveying and site planning. Hands-on projects and site visits will be an integral part of this course. Prerequisite: Building Skills I.

Carpentry I (IC212X0H15) *One period - Career Center*
This course covers basic carpentry terminology and develops technical aspects of carpentry with emphasis on development of introductory skills. Prerequisite: Core and Sustainable Construction.

Carpentry II (IC222X0H15) *One period - Career Center*
This course covers additional technical aspects of carpentry with emphasis on development of intermediate skills. Content includes floor systems, wall and ceiling framing, roof framing, introductions to

Arts, A/V Technology & Communications

Pathways	Cluster Foundation Courses			
Audio & Video Tech & Film	Multimedia Webpage & Design	Digital Media	Advanced Digital Media*	CTE Advanced Studies
Journalism & Broadcasting		Radio Broadcasting I	Radio Broadcasting II*	
Visual Arts		Commercial Art I	Commercial Art II*	
		Photography I	Photography II*	
	Scientific & Technical Visualization I	Game Art & Design*	Advanced Game Art & Design	
	Microsoft Word, PowerPoint & Publisher			Entrepreneurship I
	Teen Living	Apparel I	Apparel II - Enterprise*	
	Marketing			
	Fashion Merchandising			

Cluster Enhancement Courses: Career Management, Microsoft Excel & Access, Interior Design I, Principles of Business & Finance, Personal Finance, CTE Internship

* Indicates completer course

concrete, reinforcing materials and forms, windows and exterior doors, and basic stair layout. Prerequisite: Carpentry I.

Carpentry III (IC232X0H15) *One period - Career Center*
This course develops advanced technical aspects of carpentry with emphasis on development of skills. Content includes roofing applications, thermal and moisture protection, exterior finishing, cold formed steel framing and drywall installations. Prerequisite: Carpentry II.

Collision Body Repair I (IL442X0H10) and II (IL452X0H10) *Two Periods - Career Center*
Learn to repair and paint automobiles of all types and styles, as well as the basic skills to work in a production-style body shop. Includes estimating, repairing, painting and cleaning automobiles. Also includes auto body construction and frame/body alignment.

Commercial Art I (IL642X0H10 *Regular*, **IL645X0H10** *Honors*) **and II (IL652X0H10** *Regular*, **IL655X0H10** *Honors*) *Two Periods - Career Center*
Develop skills used to create advertisements, displays, technical illustrations, and other graphic designs. The concepts of layout, visual design, and lettering are emphasized. Prerequisite: Art I.

Core and Sustainable Construction (IC002X0H15) *One period - Career Center*
This course covers the National Center for Construction Education and Research (NCCER) Core certification modules required for all of the NCCER curriculum-area programs, and an additional Green module. The course content includes basic safety, introduction to construction math, introduction to hand tools, introduction to power tools, introduction to blueprints, material handling, basic communication skills, and basic employability skills, and "Your Role in the Green Environment." The additional Green module has been added to provide students with instruction in the green environment, green construction practices and green building rating systems.

Cosmetology I (78112X0H10) *Three periods - Career Center*
This course introduces developmental skills, employment opportunities and career information required for the cosmetology industry. Topics include facials, manicures, hair cutting, chemical relaxing and restructuring, wet hair styling, hair coloring and high lighting. Students are required to purchase a kit with necessary tools and work in after-school/weekend settings to earn the required 600 hours.

Cosmetology II (78122X0H10) *Two periods - Career Center*
This course provides advanced development of cosmetology processes, techniques and skills. Topics include hair coloring techniques; chemical servicing; identification and treatment of disorders of the skin, scalp and hair; manicuring; pedicuring; artificial nails; hair removal; and permanent waving techniques. Additions to the kit purchased for Cosmetology I are also required. Prerequisite: Cosmetology I.

Digital Media (IA312X0H15) *One period - Career Center*
This course provides students with industry knowledge and skills in the overall digital media design field. Areas covered in this course include graphics, animation, video, and web design. Industry certifications are used to align curriculum with industry needs. Recommended: Multimedia & Webpage Design.

Architecture & Construction

Pathways	Cluster Foundation Courses			
Construction	Core & Sustainable Construction	Carpentry I	Carpentry II*	Carpentry III
		Electrical Trades I	Electrical Trades II*	Electrical Trades III
	Drafting I	Drafting II - Architectural*	Drafting III - Architectural	CTE Adv. Studies
	Building Skills I (Kennedy)	Building Skills II (Kennedy)	Carpentry I	Carpentry II*
			Electrical Trades I	Electrical Trades II*

Cluster Enhancement Courses: Career Management, Multimedia & Webpage Design, Microsoft Word, Powerpoint & Publisher, Microsoft Excel & Access, Marketing, Fashion Merchandising, Apparel I, Entrepreneurship I, CTE Internship

* Indicates completer course

Transportation, Distribution & Logistics

Pathways	Cluster Foundation Courses			
Facility & Mobile Equipment Maintenance	Automotive Electrical	Automotive Electrical Advanced*	Automotive Brakes	Automotive Computer System Diagnostics*
			Collision Repair Technology I (2 units)	Collision Repair Technology II* (2 units)
			Aviation I (2 units)	Aviation II* (2 units)
Logistics Planning & Management Services	Marketing	Marketing Management*	Entrepreneurship I	CTE Advanced Studies
			Strategic Marketing	

Cluster Enhancement Courses: Career Management, Microsoft Word, Powerpoint & Publisher, Microsoft Excel & Access, Principles of Business & Finance, Personal Finance, CTE Internship

* Indicates completer course

Drafting I (IC612X0H15) *East Forsyth, Glenn, Mount Tabor, Reynolds, West Forsyth*
This course introduces students to the use of simple and complex graphic tools used to communicate and understand ideas and concepts found in the areas of architecture, manufacturing, engineering, science and mathematics. Topics include problem-solving strategies, classical representation methods such as sketching, geometric construction techniques, as well as CAD (computer-assisted design), orthographic projection and 3D modeling.

Drafting II: Architectural (IC625X0H15) *Honors - East Forsyth, Glenn, Mount Tabor, Reynolds, West Forsyth*
This course is focused on the principles, concepts and use of complex graphic tools used in the field of architecture, structural systems and construction trades. Emphasis is placed on the use of CAD tools in the creation of floor plans, wall sections and elevation drawings. Prerequisite: Drafting I

Drafting II: Engineering (IV225X0H15) *Honors - East Forsyth, Glenn, Mount Tabor, Reynolds, West Forsyth*
This course focuses on engineering graphics, introducing the student to symbol libraries, industry standards and sectioning techniques. Topics include coordinate systems, principles of machine processes and gearing, and construction of 3D wireframe models using CAD. Mechanical engineering concepts involving the working principles and design of cams and gears are reinforced. Prerequisite: Drafting I

Drafting III: Architectural (IC635X0H15) *Honors - East Forsyth, Glenn, Mount Tabor, Reynolds, West Forsyth*
This course introduces students to advanced architectural design concepts. Emphasis is placed on the use of CAD tools in the design and execution of site and foundation plans as well as topographical information and detail drawings of stairs and wall sections. Prerequisite: Drafting II: Architecture

Drafting III: Engineering (IV235X0H15) *Honors - East Forsyth, Glenn, Mount Tabor, Reynolds, West Forsyth*
This course introduces the student to advanced engineering concepts using CAD tools. Topics studied include descriptive geometry, geometric tolerancing, and advanced engineering design concepts such as surface and solid modeling. Prerequisite: Drafting II: Engineering.

Electrical Trades I (IC412X0H15) *One period - Career Center*
This course covers basic electrical trades terminology and develops technical aspects of electrical trades with emphasis on development of introductory skills such as residential wiring, electrical installation, and service. Topics include basic electricity, electrical construction codes and practices, the National Electrical Code, the use of test equipment, and electrical hand and power tools. Prerequisite: Core and Sustainable Construction.

Electrical Trades II (IC422X0H15) *One period - Career Center*
This course provides an introduction to the National Electric Code, devices boxes, hand bending, raceways and fittings, conductors and cables, construction drawings, residential services, test equipment, alternating circuits, grounding and bonding. Prerequisite: Electrical Trades I.

Electrical Trades III (IC432X0H15) *One period - Career Center*
This course includes motors, electric lighting, conduit bending, pull and junction boxes, conductor installations, cable tray, conductor terminations and splices, circuit breakers and fuses, control systems and concepts. Upon successful completion of the this course, students should be prepared to enter the workforce as an electrical helper and/or continuing education towards degrees in Construction Management or Electrical Engineering. Prerequisite: Electrical Trades II.

Network Engineering I (II115X0H15 *Honors)* *One period - Career Center*
This course provides a hands-on introduction to networking and the Internet using the Cisco CCNA Discovery - Networking for Home and Small Businesses curriculum. This course helps prepare students for the Cisco Certified Entry Networking Technician (CCENT) Certificate.

Network Engineering II (798155 II125X0H15) *One period - Career Center*
This course uses Cisco CCNA Discovery -Working at a Small-to-Medium Business or ISP curriculum. This course provides a basic overview of routing and remote access, addressing, security, email services, web space, and authenticated access and Cisco Certified Entry Networking Technician (CCENT) exam preparation. Prerequisite: Network Engineering I.

Photography I (IL672X0H10) and II (IL-682X0H10) *Two Periods - Career Center*
Prepare for a career or further training in photography. Learn black-and-white (year I) and color (year II) photography and alternative processes. Operate cameras, process film and make prints and slides. Study studio lighting, commercial photography, portraiture, the history of photography, automated processing and computerized digital imaging. Explore large formats and studio and lab management. You must purchase film and photographic paper. Prerequisite: Approval of student application.

Public Safety I (IP112X0H15) - *Walkertown only*
This course provides basic career information in public safety, including corrections, emergency and fire management, security and protection, law enforcement and legal services. Students develop a personal plan for a career in public safety. The course includes skills in each area, using resources from the community to help deliver instruction to the students.

Public Safety II (IP122X0H15) - *Walkertown only*
This course provides a deeper level of understanding of career information in public safety, including emergency management, criminal justice, emergency medical technician and fire fighter. Students further the development a personal plan for a career in public safety. The course includes skills in each area, using resources from the community to help deliver instruction to the students. Prerequisite: Public Safety I.

Radio Broadcasting I (IL702X0H10) *Two periods - Career Center*
This course covers the creation, development and presentation of audio programming elements for broadcast and/or other electronic media applications. Emphasis is placed on proper operation of professional audio equipment and the study of basic physical behavior and the perceptual effects of sound. Upon completion, students should be able to correctly operate audio recording and playback equipment and demonstrate an understanding of the basic components of sound.

Radio Broadcasting II (IL712X0H10) *Two periods - Career Center*
This course covers advanced audio production techniques and/or other electronic media applications. Topics include basic audio signal processing equipment and analog digital professional audio recording and playback equipment. Upon completion, students should be able to optimize the use of professional audio equipment in the production of effective audio programming. Prerequisite: Radio Broadcasting I.

Additional CTE Offerings

CTE Advanced Studies (CS952X0H15)
Students work under the guidance of a teacher with expertise in the content of the completer course in collaboration with community members, business representatives, and other school-based personnel. The four parts of the course include writing a research paper, producing a product, developing a portfolio, and delivering a presentation. Prerequisite: Two technical credits in one career cluster.

CTE Community College (8598)
Students may include one or more community college courses, either online or face-to-face, in their program of studies that leads to a concentration in a Career Cluster. The course must meet requirements of the Operating Procedures for the Enrollment of High School Students in Community College Courses. *Please ask your counselor for course number.*

CTE Internship (CS972X0H15)
A CTE Internship allows for additional development of career and technical competencies within a general career field. Internships allow students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about particular careers, and perform certain job tasks. This activity is exploratory and allows the student to get hands-on experience in a number of related activities. The teacher, student, and the business community jointly plan the organization, implementation, and evaluation of an internship, regardless of whether it is an unpaid or paid internship.

Work-based Learning

Work-based learning can be an integral part of every student's educational and career plan. As the name suggests, work-based learning connects learning that occurs at school with learning about the work world at a job site. Work-based learning experiences range from brief to intensive. They include paid and non-paid experiences. In some cases, students may receive course credits for work-based learning.

Kinds of work-based learning experiences include:

- job shadowing;
- internships;
- co-op;
- registered apprenticeship.

For more information about work-based learning, contact your school's counseling department.

Occupational Course of Study

The Occupational Course of Study (OCS) curriculum is designed for students with mild to high moderate cognitive disabilities. Some students enrolled in the OCS will not be able to complete all the course requirements to earn a diploma. Also, some will not be able to complete all work hours in four years and may need another year or more to meet the requirements. Students who do not meet all requirements can receive a North Carolina Certificate of Graduation.

In 2010 the OCS curriculum standards underwent major revisions as a part of North Carolina's Accountability and Curriculum Reform Effort (ACRE) and in response to a peer review for compliance with No Child Left Behind (NCLB) conducted by the U.S. Department of Education. The new, more rigorous standards and assessments will meet NCLB accountability and the Common Core Standards, ensuring students with cognitive disabilities will be better prepared for adult life.

Enrollment in the Occupational Course of Study does not guarantee the student will earn a North Carolina diploma. For additional requirements, please see pages 2 and 4.

OCS English I (92100X0HV5)
Students explore a variety of communication modes and the importance each plays in living and employment settings. Reading and writing strategies are used to interpret and express factual, functional information. Oral language strategies are used to communicate effectively in formal and informal situations. Additionally, students will use language to express individual perspectives drawn from personal or related experience, analyze information from a variety of sources, examine the foundations and use of argument, refine critical thinking skills and create criteria to evaluate text and multimedia, interpret and evaluate a wide range of literary texts, and develop an understanding of the application of grammar conventions and language usage.

OCS English II (92110X0H15)
Students analyze and employ effective communication strategies in living and employment settings. Standard rules of convention and syntax are used to give and request information. Students read and comprehend a variety of texts. They will draw evidence from literary or informational texts to support analysis, reflection, and research, and they will write routinely over extended time frames (time for research, reflection, and revision) and shorter time frames (a single sitting or a day or two) for a range of tasks, purposes, and audiences. Prerequisite: Occupational English I.

OCS English III (92120X0H15)
Students read, write and orally express information required in living and employment settings. They will understand literary and informational texts and identify main concepts and supporting information from print and non-print materials. They examine the speaking skills expected in a variety of settings and demonstrate effective communication. Apply knowledge of cause and effect relationships to decision-making and problem solving. Summarize the importance of forming a viewpoint in situations related to adult living. Prerequisite: Occupational English II.

Occupational Flow Chart (4-Period Block)

Grade 9	Grade 10	Grade 11	Grade 12
OCS Eng. I	OCS Eng. II	OCS Eng. III	OCS Eng. IV
OCS Intro. Math	OCS Math I	OCS Fin. Mngmt OR CTE Personal Finance	Career Training
OCS Appl. Science	OCS Biology	Elective or CTE	Career Training
Career Tr/Elec.	CTE	OCS Am. History II	OCS Am Hist. II
Occ. Prep I	Occ. Prep II	Occ. Prep III	Occ. Prep IV
Life Mgmt/P.E.	Occ. Prep II	Occ. Prep III	Career Training
CTE	P.E./Health	Elective or CTE	Career Training
CTE	CTE	Elective or CTE	Elective or CTE

*For current 11th-graders only

OCS English IV (92130X0H15)
Students integrate oral, written and visual skills to communicate in living and employment situations. Apply information from literary and informational texts to carry out adult-living tasks and activities. They use written communication for explanatory, argumentative, self-advocacy and social purposes. They use communication skills to locate and research information. Prerequisite: Occupational English III.

OCS Introductory Mathematics (92200X0H15)
Students study computation (reading, writing, counting, whole numbers, decimals, fractions and percents); time and measurement; understand patterns and relationships, graphical displays, and apply algebraic properties to solve problems. Students acquire these skills through hands-on approaches and cooperative learning within the classroom and community. Application of these skills is necessary for independent living and successful employment. Prerequisite: Students in the Occupational Course of Study.

OCS Math I (922105)
Students study algebraic concepts. This includes operations with polynomials and matrices, creation and application of linear functions and relations, algebraic representations of geometric relationships, and an introduction to nonlinear functions. Students will be expected to describe and translate among graphic, algebraic, numeric, tabular, and verbal representations of relations and use those representations to solve problems. Appropriate technology, from manipulatives to calculators and application software, as well as hands-on approaches and cooperative learning should be used regularly for instruction and assessment. Prerequisite: OCS Intro to Math. *Please ask your counselor for course number.*

OCS Financial Management (9220X0H15)
Students apply the skills learned and demonstrate them in the community and places of employment. Understand appropriate methods for personal financial management and independent living. Apply math skills to consumer spending. Prerequisite: OCS Algebra I.

OCS Applied Science (92310X0H15)
This course is designed to engage students in inquiry-based instruction as a critical way of developing conceptual understanding of the science content and provide students with the knowledge necessary to practice safety and maintain a healthy lifestyle. Students develop an understanding of basic human anatomy and reproduction. Basic concepts in Life Science, Environmental Science, Physical Science, and Biology related to work and living situations are presented. Prerequisite: OCS enrollment.

OCS Biology (92320X0H15)
This course provides students in-depth study of the cell, the molecular basis of heredity, biological evolution, the interdependence of organisms, matter, energy and organization in living systems, and the adaptive responses of organisms. Students apply the science-based concepts to situations at home and in the workplace. Prerequisite: Occupational Science I.

OCS American History I (92450XH15)
This course has been designed to provide a framework for studying political, social, economic, and cultural issues, and for analyzing the impact these issues have had on American society over time. Students will continue to build upon previous studies of American History, the fundamental concepts in civics and government, economics, culture and geography taught in grades kindergarten through eight and use skills of historical analysis as they examine American history. This course goes beyond memorization of isolated facts to the development of higher level thinking skills, encouraging students to make historical assessments and evaluations.

OCS American History II (92460XH15)
This course was designed to trace the change in the ethnic composition of American society; the movement toward equal rights for racial minorities and women; and the role of the United States as a major world power. An emphasis is placed on the expanding role of the federal government and federal courts as well as the continuing tension between the individual and the state. The desired outcome of this course is for students to develop an understanding of the cause-and-effect relationship between past and present events, recognize patterns of interactions, and understand the impact of events on in the United States in an interconnected world.

Occupational Preparation I (92400X0H15)
Students are introduced to the attitudes, behaviors and habits needed to obtain and maintain employment and make career advancements. Students participate in school-based learning activities, including work ethic development, job-seeking skills, decision-making skills, and self-management skills. Students are involved in on-campus vocational training activities and jobs. Formal career planning and knowledge of transition planning begins in this course and continues through the Occupational Preparation courses. Students begin working on the 300-hour school-based requirement for graduation. Prerequisites: Students with IEPs. OCS students have priority for enrollment.

Occupational Preparation II (92410X0H15) *Two periods*
Students develop skills generic to all career majors: resource management, communication, interpersonal relationships, technology, stamina, endurance, safety, mobility, teamwork, sensory skills, problem solving, cultural diversity, information acquisition/management. Learning activities include on-campus jobs and work-based learning. Job seeking skills are refined. Students begin working on the 240-hour work-based learning requirement for graduation. Prerequisites: Occupational Preparation I.

Occupational Preparation III (92420X0H15) *Two periods*
Students develop and apply skills learned previously. Work-based learning activities include community-based training, job shadowing, job sampling, internships, situational assessment, cooperative education and apprenticeships. These activities allow students to apply skills to competitive employment settings and demonstrate their work personality. Students continue working on their 240-hour requirement for graduation, and begin working on the 360-hour competitive employment requirement. Prerequisite: Occupational Preparation II.

Occupational Preparation IV (92430X0H15)
This course gives students the opportunity to use all the skills required in the Occupational Preparation courses and to apply them to their career choice. Students solve problems experienced in competitive employment, practice self-advocacy and master the theoretical and practical aspects of their career choice. Students finish the 360 hours of integrated competitive employment in a community setting required for successful completion of the Occupational Course of Study. Students also develop a job placement portfolio that provides an educational and vocational record of their high school experience. Prerequisites: Occupational Preparation III.

Career Training for Exceptional Children I (96280X0H15) and Career Training for Exceptional Children II (96280X0H15)
Designed to extend the work-based training experience provided in Occupational Training I-IV. Students participate in on- or off-campus vocational training that is aligned with their post-school employment goals. The course allows release time for students to be involved in work-based learning activities including, but not limited to: school-based enterprises, school-based training, internships, apprenticeships, job shadowing, community service projects, vocational job coach services, individual competitive employment placements or supported employment. This course may be repeated more than once for credit based on the student's need for work-based vocational training

Magnet School Options

Choices for high school students have expanded considerably as new magnet programs have begun over the past few years. The following sections highlight the eight high school magnet programs: Atkins Academic and Technology High School, Early College of Forsyth, Forsyth Middle College (grades 11-12), John F. Kennedy High School, Paisley IB Middle Years Program (grades 6-10), Parkland IB Diploma Programme (grades 9-12), R. J. Reynolds Arts and Academics and. Winston-Salem Preparatory Academy.

For more information about any program, please contact the person identified in the program description or the Magnet Schools' office at 727-2519.

Magnet school applications can be completed online at wsfcs.k12.nc.us/magnet.

Atkins Academic and Technology High School

Atkins Academic and Technology High School is like no other in Forsyth County. Much like a college or university, it offers majors focusing on biotechnology, scientific visualization/game design, engineering, and health sciences. These major areas of study provide rigorous high-level classes that prepare students for courses in those subjects in college. Equipment in these major areas is comparable to that found in college labs or in the workplace. Business, industry, and community leaders support each major area. To prepare for careers and college-level work, students participate in mentoring, job shadowing and internship programs. In addition, juniors and seniors may take advantage of the Forsyth Tech partnership with Atkins.

Majors in biotechnology and health science provide students with medical science and biotechnology skills. Those who select one of these majors will study areas related to medical science. The health science major allows students to earn CNA licensure as a first step to further training in the medical field. The biotechnology major prepares students for further study in microbiology, immunology, pharmacology and bioethics.

Students who major in scientific visualization / game design study principles of design, web graphics, interactive animation and modeling, and video production. They gain experience in a broad range of graphic techniques. Unlike many of the graphic techniques covered in the architectural and mechanical areas, scientific visualization techniques are more broadly applicable. Also, because the track is more academic, students focus on theory and operations so they understand why particular graphic techniques are used.

The engineering major is designed for students wanting to pursue a career in engineering beyond high school. Students will learn and experience various principles of engineering such as 3D modeling, control systems, engineering design process, digital electronics, and many more. All classes are project-based. Students learn how math and science are applied in the real world.

Atkins is fortunate to offer Forsyth Technical Community College courses through Career and College Promise. Juniors and seniors meeting FTCC entrance requirements may take selected college courses on the Atkins campus tuition free during the regular school day.

Atkins is a dedicated magnet school Admission is by magnet application only. For additional information, please visit www.AtkinsHighSchool.org or contact Joe Childers, principal, at 336-703-6754.

Winston-Salem Preparatory Academy

"Imagine the Possibilities"

Background

Winston-Salem Preparatory Academy (WSPA), a Thurgood Marshall Scholarship Fund-supported school, is housed in the historic Atkins High School. It seeks to prepare students to enter college through a caring and nurturing learning environment enabling all students to achieve academic excellence through personalized instruction, an integrated curriculum, and leadership opportunities throughout the community. The school serves about 650 students in grades 6-12, and it has consistently been among the leaders in graduating students in WS/FCS.

Curriculum

WSPA provides a college culture where students are enrolled in a rigorous and relevant curricular program beginning in sixth grade. The curriculum is designed to prepare students to meet the admissions requirements for the college of their choice. Students have access to all core courses, including foreign languages, that are needed to accomplish this goal. Core courses are supplemented by elective courses, including computer science, music, art and online courses.

Students are expected to meet very high standards, but they are given the support needed through an effective leadership staff, community partnerships with local colleges, encouraged parental reinforcement, and small instructional classes.

Faculty and staff from WSSU are integrally involved in providing professional development support to the academy's administrator, teachers and students.

The Thurgood Marshall College Fund College Prep Café

In the fall of 2013, the TMCF College Prep Café will pioneer a new kind of "blended learning" that combines the best in online and face-to-face education that has been shown to get better results for students than either kind of instruction on its own. This special partnership program between WS/FCS, the Thurgood Marshall College Fund, WSSU, and Connections Education has created a college-style lounge at WSPA where freshman participate in college prep seminars, choose from hundreds of online electives and clubs that colleges look for on high school transcripts, and receive mentoring and guidance from WSSU students and alumni. Best of all, for students who use the College Prep Café and graduate from Winston-Salem Prep in four years with at least a B average, TMCF will provide a college scholarship.

What will students get from the College Prep Café?

Freshmen who enroll at WSPA will have exclusive use of the TMCF College Prep Café and will benefit from three key ingredients for college success in the 21st Century:

A college mind-set: The student will experience a college-like environment in high school and learn what it takes to succeed from role models who are already there.

Curriculum that counts: The student will receive his/her own laptop and have access to the kinds of courses colleges look for - like foreign language and Advanced Placement as well as test prep and help with the college application process.

Motivational financial aid: Thurgood Marshall College Fund helps keep the student's eyes on the prize with a scholarship granted to those who graduate from WSPA in four years with at least a 3.0 grade point average.

Extracurricular Activities

The WSPA experience extends beyond the classroom. Participation in extracurricular activities contributes to the development of a sense of community and school family, important elements of the academy. Sports offered include boys' and girls' basketball, tennis, cross-country, and track. Students also have opportunities to participate in clubs and activities such as student government, National Honor Society, and the Crosby Scholars Community Partnership Program. In addition, WSSU offers numerous pre-college programs aimed at academic strengthening and tutoring, such as Upward Bound, Health Careers Opportunity Program, Legislative College Opportunity Program and Latinos United for Education.

Application and Selection Process

The typical applicant will be committed to academic excellence, demonstrate proficiency on end-of-grade tests, exhibit good behavior, and have a record of good school attendance.

Applicants are asked to write a brief statement of interest. A teacher recommendation and signature of the student's current principal also is required. Parents are required to sign a commitment statement of their intent to be actively involved in their child's education and WSPA.

For more information, call Principal Richard Watts at 703-6732.

R. J. Reynolds High School – Arts for Academics

Since 1923, the arts have been an important part of Reynolds' academic offerings and a source of pride for students, parents and alumni. As a magnet school for the visual and performing arts, Reynolds nurtures and perpetuates its long tradition of academic excellence. The magnet program, "Arts for Academics," expands arts offerings and integrates the arts into core academic areas to provide students with increased opportunities for creativity, originality and critical thinking – all essential skills in the 21st century workplace. By making the arts an accessible and an integral part of the intellectual and cultural environment, Reynolds graduates students who are ethical, socially conscious, and responsible members of their communities.

Seminar in the Arts

A common freshman experience establishes crucial, long-term relationships among staff, faculty, students and the curriculum, as well as creates an arts-rich culture across the campus. Students sample course offerings in visual arts, movement/dance, creative writing, theatre arts, choral music and instrumental music. Each experience is designed to lay the foundation for building literacy and 21st century workplace skills.

Arts Integration

Core academic areas will be "arts-integrated" in both pedagogy and practice, providing an environment in which all students will be exposed to the arts on a consistent basis. Arts-integration models prepare students to demonstrate originality and inventiveness in work; develop, implement and communicate new ideas to others; and remain open and responsive to new and diverse perspectives.

Arts Strands

All freshmen take "Seminar in the Arts." This course provides an introduction to the broad array of arts offerings, as well as to our overall magnet program. As students register for their sophomore year, each will have the opportunity to choose one of three distinctive strands: "Arts Aware," "Arts Infused," or "Arts Intensive." See pages 10-12 for course descriptions.

•"Arts Aware" – Students experience the arts as a learning vehicle in their traditional core academic subject areas, resulting in a deeper, connective academic understanding.

•"Arts Infused" – In addition to arts-enriched core academic classes, students take arts classes with a broad scope. These arts electives give students the opportunity to discover latent artistic talents and promote general creativity.

•"Arts Intensive" – Arts-enriched core academic classes are the foundation for students' intensive arts "major." Students take a succession of demanding arts classes in a particular area in preparation for a future profession in the arts. Audition or portfolio are required for placement for the arts intensive students.

Continued at top of next page

The Arts Community

By creating partnerships with community arts programs, community service organizations and area universities and colleges, "Arts for Academics" nurtures students by exposing them to the arts-rich community in which we live. Two professional performances per year are a part of our campus wide experience. Live lunchtime performances, art exhibits throughout the buildings, projectors and sound systems in the cafeteria facilitate arts integration and presentation.

Why Choose R. J. Reynolds – Magnet School for the Visual and Performing Arts

Backed by a tradition of more than 90 years of academic excellence, a dedicated and innovative faculty and staff, unmatched on-campus arts facilities, and an arts-rich region, R. J. Reynolds High School is poised to expand and extend its legacy of academic excellence well in to the 21st century. When joining R. J. Reynolds "Arts for Academics" Magnet School for the Visual and Performing Arts, students become a part of this proud tradition and exciting future. For more information, call the Reynolds magnet office at 703-4145.

Forsyth Middle College

Forsyth Middle College is a non-traditional high school located on the campus of Forsyth Technical Community College. The Middle College is designed for 11th- and 12th-grade students who would like to challenge themselves by completing high school graduation requirements while taking courses for college credit at Forsyth Tech.

The Middle College offers students a later start time, with high school classes going from 11 a.m. to 3:30 p.m. on a block schedule. College courses are offered at different times for the morning, afternoon and evening. Students can take college courses tuition-free and may earn up to a year or more of transferable college credit. In addition, students have a great deal of flexibility in class offerings and courses of study.

To be considered for Middle College, a student must be at least 15 year old and have successfully completed English I and II, Algebra I and Geometry, Health, PE and Life Skills. Completion of Biology is preferred. Students must complete an application and 50-word essay explaining why they want to be admitted to Middle College. Students must also send a copy of their most recent high school transcript. A counselor's recommendation from the student's most recent high school also is preferred. Selected applicants and parents are invited for an interview and must take the College Placement Test (CPT) or provide SAT/ACT scores for consideration.

Middle College admits students each semester in August and January and has an enrollment of 100. Middle College follows the calendar of Forsyth Tech. For more information, contact the Middle College's office at 734-7437 or guidance office at 734-7163.

Middle College is a collaborative project of Winston-Salem/Forsyth County Schools and Forsyth Technical Community College.

International Baccalaureate (IB)

The IB Programme at Paisley and Parkland prepares students for college level work. Colleges and universities look favorably on the IB program as an indication of a student's level of motivation and ability to perform in a rigorous and challenging academic program.

Paisley IB Middle Years Programme

For 9th- and 10th-graders

International Baccalaureate Middle Years Programme provides a framework of academic challenge that encourages students to embrace and understand the connections between traditional subjects and the real world and to become critical and reflective thinkers.

The MYP embodies three fundamental concepts: communication (valuing language acquisition in at least two languages); holistic learning (finding the connections across and within the subjects and grade levels), and intercultural awareness (a growing understanding of a student's own culture coupled with an understanding and appreciation of other cultures.).

MYP students learn more than facts. Aided by the areas of interaction, students learn how to evaluate real life issues critically as well as reflect on how they learn best. Students participate in regularly scheduled Socratic Seminars, promoting both oratorical proficiency and higher–order thinking skills.

Ninth-grade admission to the Middle Years Programme requires the successful completion of the following courses by the end of eighth grade: Math I and Foreign Language I (Latin, French, German or Spanish). Since coursework is at the honors level (earning 1 extra quality point), students must achieve a minimum of Level 3 on all eighth-grade EOGs.

For more information contact Dr. Gary Cone at 703-4168 or Student Services at 703-4169.

Parkland IB Diploma Programme

For 11th- and 12th-graders

The International Baccalaureate Programme brings a world-class diploma to Parkland High School and prepares students for the challenges of college academics. The program seeks students who are excited about learning and who are up to the challenge of this very rigorous curriculum. In addition to the IB Diploma, motivated students can choose to enroll in individual IB courses of interest. These students may earn (with a score of 4 or higher on the exam) an IB Certificate for that course.

Curriculum

Students who choose IB select courses from six curriculum areas to meet the requirements of the Diploma Programme. Those six areas are Language A (English), Language B (foreign language), Individuals and Societies (social studies), Experimental Sciences, Mathematics, and the Arts or electives. The IB Diploma Programme requirements satisfy both local and state graduation requirements.

Additional requirements of the IB Diploma Programme include:

- **Theory of Knowledge.** This culminating seminar course is intended to stimulate critical reflection on the knowledge and experiences gained inside and outside the classroom. This core course is unique to the International Baccalaureate Organization (IBO).
- **Creativity, Action, Service (CAS).** The IBO's goal is to educate the whole person and foster responsible, compassionate citizens. Students complete 150 hours in the areas of creativity, action, and community service.
- **Extended essay.** Through a 3,500-4,000 word essay, the requirements acquaint Diploma Programme students with the kind of independent research and writing skills expected by universities.
- **Examinations.** Students must take IBO examinations to receive the IB diploma or certificate. Examinations are given in each of the IB courses offered at Parkland. Students will be responsible for all or a portion of the exam fees.

For more information about the Parkland IB program, please call the IB coordinator at 771-4700 or the counseling office at 771-4711.

John F. Kennedy High School

Are you interested in graduating high school with more than a high school diploma? Do you work best in small classroom environments? Would you prefer learning through hands-on experiences? Would you like career experiences beyond the classroom and opportunities to earn credentials?

Answering yes to these questions means that John F. Kennedy High School is for you. This small high school offers students the opportunity to select one of four career academies — Construction & Design, Health Sciences, ProStart®, and Creative Enterprises.

Each academy has a nationally recognized credential, structured curriculum, highly qualified instructors and many opportunities to extend learning beyond the classroom. The learning environment is rigorous, the curriculum and instruction are integrated across subject areas, and career pathway internships are available for every student. Community business connections introduce students to the career paths in each academy, entrepreneurship and global citizenship. Small classrooms allow instructors and staff to understand the needs of each student. The shared Kennedy campus also provides easy access to the Career Center's AP course selections, additional CTE courses and specialty classes. Students can also access classes at Forsyth Technical Community College to support their career aspirations.

The daily schedule allows students to return to their neighborhood high school in the afternoon to participate in extracurricular activities like sports, band or academic teams. The shared campus allows John F. Kennedy students to interact and learn from peers from all over the county and still maintain the social connections at their home school. It's the best of both worlds.

You will choose one of the following academies:

Creative Enterprises (Marketing and the Arts): Students explore many areas of the creative arts, such as digital graphics, visual media and photography before selecting an area of interest to study in-depth to develop their own expertise. Artisans from the local community assist students in refining their creative gifts.

Construction and Design: Students begin hands-on instruction in the ninth grade exploring the various skilled trades in the construction industry. John F. Kennedy will offer masonry in the fall 2014 with certification from NCCER and internships to connect the students to the real world. Students graduate prepared for entry into the workforce or can use their hands-on experiences to leverage future educational options.

Health Sciences: Students explore careers in the healthcare industry and can finish with the opportunity to become a Certified Pharmacy Technician. The Pharmacy Technician program is the only one of its kind in the district and is a terrific way to prepare for careers in any health care segment. Students are encouraged to investigate many different health careers.

Prostart (Restaurant Management): ProStart is a nationwide, two-year high school program that unites the classroom and industry to develop the best and brightest talent into tomorrow's restaurant and foodservice leaders. Students work a minimum of 400 hours in the industry and pass two comprehensive exams to receive the Prostart Certificate of Achievement (COA). Introductory courses in ninth and 10th grades prepare students for the rigor of Prostart.

Students interested in applying to John F. Kennedy must be mature enough to function in a workforce environment and:

• have a strong interest in one of the four career academies.

• be on grade-level with appropriate credits.

• be a current eighth- or ninth-grade student. Limited space available for current 10th-graders.

Please call Student Services at 703-4144 for a personal tour or more information.

Early College of Forsyth

What is Early College of Forsyth? Early College is a joint program of Winston-Salem/Forsyth County Schools and Forsyth Technical Community College. Students have the opportunity to complete the requirements for a N.C. high school diploma and earn college credits leading to an Associate's in Arts degree within five years.

Instead of attending a regular high school, students take all courses on the main campus of Forsyth Tech. Limited transportation will be provided to students accepted into this innovative program. Tuition is free for all high school and college courses.

Students interested in applying to Early College must:

- Demonstrate grade-level proficiency on end-of-course (EOC) and end-of-grade (EOG) tests
- Take the College Placement Test and demonstrate readiness for college-level work
- Have an acceptable school attendance and discipline history
- Complete an application with a writing sample and submit an academic transcript. Grades will be reviewed to determine ability to succeed in college level coursework. Applications also can be found online at http://www.forsyth-tech.edu/credit-programs/college-in-high-school
- Be interviewed by a committee
- Submit three recommendations, one each from a school counselor, teacher and community representative (not a relative). For more information, call Principal Fran Cook at 757-3290 or Early College Liaison: Porchia McDaniel at 757-3297.

High Schools (Indicate first, second and third choices): Date of Application _____

___ **Atkins Academic and Technology High School**

___ **Early College of Forsyth**

___ **Forsyth Middle College**

___ **John F. Kennedy High School:** Career Academies

___ **Paisley IB Magnet School:** IB Middle Years (Gr 9-10)

___ **Parkland Magnet High School**
☐ IB Diploma Programme ☐ Internationalism & Arts

___ **Reynolds High School:** Visual & Performing Arts (Gr 9-10)

___ **Winston-Salem Preparatory Academy**

Winston-Salem/Forsyth County Magnet Schools

Student's Name _____ Birthdate ____/____/____ Sex _____ Race _____

Will your child have a sibling at this school in 2014-15? ☐ Yes ☐ No

You must fill out a separate application for each child enrolling at a magnet school.

Student Number of Applicant (required) |_|_|_|_|_|_|_|_|

Home Address _____ Phone _____

City _____ State _____ Zip _____

School Now Attending _____ Present Grade (2013-14) _____

Grade _____ next school year Last Math Course Taken _____ Last Foreign Language Course Taken _____

Father's Name _____ Employer _____

Address if different from above _____ Home Phone _____

Work Phone _____ Pager/Cell Phone _____ E-mail _____

Mother's Name _____ Employer _____

Address if different from above _____ Home Phone _____

Work Phone _____ Pager/Cell Phone _____ E-mail _____

Are there any other services your child needs of we which we should be aware? If yes, please explain: _____

_____

Return to Magnet Schools Office, WS/FCS Administrative Center, P.O. Box 2513, Winston-Salem, N.C. 27102-2513 OR return to Magnet School of your choice: **ENROLLMENT DEADLINE: JANUARY 24, 2014, 4:30 p.m.**
– Applications received after the enrollment period ends will be placed on a waiting list.

- **Atkins Academic and Technology High School**, 3605 Old Greensboro Road, Winston-Salem, N.C. 27101
- **Early College of Forsyth,** 2100 Silas Creek Parkway, Winston-Salem, N.C. 27103
- **Forsyth Middle College,** 2100 Silas Creek Parkway, Winston-Salem, N.C. 27103
- **John F. Kennedy High School**, 890 E. 11th Street, Winston-Salem, N.C. 27101
- **Paisley IB Magnet School**, 1400 Grant Street, Winston-Salem, N.C. 27105
- **Parkland Magnet High School**, 1600 Brewer Road, Winston-Salem, N.C. 27127
- **Reynolds High School**, 301 N. Hawthorne Road, Winston-Salem, N.C. 27104
- **Winston-Salem Preparatory Academy**, 1215 N. Cameron Avenue, Winston-Salem, N.C. 27101

Parent Signature _____ Student Signature _____

Grade 9

Required (One from each group)

10061X0H15	High School English
10212X0H15	English I
10215X0H15	English I - Honors
10215X0H25	Honors Seminar I

43032X0H15	World History
43035X0H45	World History - Honors
43035X0H55	Honors Seminar I
43107X0H10	AP World History

20202X0H15	Introductory Math
21032X0H10	Math I
22012X0H10	Math II *(prereq: Math I)*
22015X0H10	Math II - Honors *(prereq: Math I)*
23012X0H10	Math III *(prereq: Math II)*
23015X0H10	Math III - Honors *(prereq: Math II)*
20502X0H15	Foundations of Math I
	Foundations of Math II

33205X0H15	Biology - Honors
34102X0H15	Physical Science *(prereq: Algebra I, Integrated Math I or Math I)*
35012X0H15	Earth/Environmental Science
35015X0H15	Earth/Environmental Science - Honors
95012X0H20	Aerospace Science I *(North/Reagan only)*

63020X0H1S	Physical Education I
63022X0H3S	Dance A

62022X0H2S	Life Management Skills *(semester/.5 unit)*

Electives

54150X0H10	Beginning Visual Art
54162X0H10	Intermediate Visual Art
63022X0H4S	Dance B
53152X0H10	Beginning Theatre Arts
53162X0H10	Intermediate Theatre Arts
10312X0H10	Introduction to Journalism
11212X0H10	Chinese I CC
11012X0H10	French I
11022X0H10	French II *(prereq: Mid Sch. French)*
11612X0H10	German I
11812X0H10	Japanese I - CC
12412X0H10	Latin I
11492X0H10	Prac. Spanish for Native Speakers
11412X0H10	Spanish I
11422X0H10	Spanish II *(prereq: Mid Sch. Span.)*
95012X0H15	Army JROTC I *(not at North or Reagan)*
95012X0H20	Aerospace Science I *(North/Reagan only)*
52552X0H1S	Beginning Band
52562X0H10	Intermediate Band
525528	Beginning Marching Band
52302X0H10	Beginning Chorus
52402X0H10	Beginning Orchestra *(prereq: 8th Gr. Strings)*
44032X0H1S	Personal/Social Responsibility
43162X0H1S	Bible History A *(semester/.5 unit)*
43162X0H2S	Bible History B *(semester/.5 unit)*
45012X0H1S	World Geography *(semester/.5 unit)*
45015X0H1S	World Geography - Honors *(sem/.5 unit)*
42032X0H1S	International Relations *(semester/.5 unit)*
42035X0H1S	International Relations - Honors *(semester/.5 unit)*
96100X0H10	Study Skills *(EC students only)*
AU102X0H15	Agriscience Applications
74092X0H15	Building Trades I - Kennedy only
BM102X0H15	Microsoft ITA: Word, PowerPoint, and Publisher
BM202X0H15	Microsoft ITA: Excel and Access
TE112X0H15	Technology, Engineering, and Design
BF102X0H15	Principles of Business & Finance
FU102X0H15	Teen Living

Grade 10

Required (One from each group)

10061X0H25	High School English II
10222X0H15	English II
10225X0H15	English II - Honors
10225X0H25	Honors Seminar II

42092X0H15	Civics and Economics
42095X0H15	Civics and Economics - Honors
43032X0H15	World History
43035X0H45	World History - Honors
43107X0H10	AP World History
42095X0H25	Honors Seminar II

21032X0H10	Math I
22012X0H10	Math II *(prereq: Math I)*
22015X0H10	Math II - Honors *(prereq: Math I)*
23012X0H10	Math III *(prereq: Math II)*
23015X0H10	Math III - Honors *(prereq: Math II)*
20502X0H15	Foundations of Math I
20292X0H15	Foundations of Math II
24035X0H10	Pre-Calculus-Honors *(prereq: Alg II or Int. Math III)*
24025X0H10	Integrated Math IV - Honors *(prereq: Int. Math III)*

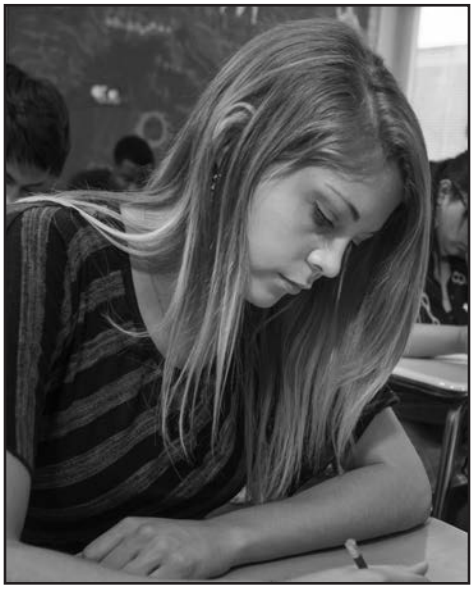
33202X0H15	Biology
33205X0H15	Biology - Honors
34102X0H15	Physical Science *(Prereq: Algebra I, Integrated Math I or Math I)*
34202X0H15	Chemistry *(prereq: Biology and Alg. II or Integ. Math III or enrolled in Math III)*
34205X0H15	Chemistry - Honors *(prereq: Biology and Alg. II or Integ. Math III or enrolled in Math III)*

63022X0H2S	Health
61025X0H1S	Health - Honors
63020X0H1S	Physical Education I
62022X0H1S	Physical Education II
63022X0H3S	Dance A
63022X0H4S	Dance B

Electives

Tenth-grade students may take any elective in the ninth grade list plus the following:

54162X0H10	Intermediate Visual Art
51162X0H10	Intermediate Dance
53162X0H10	Intermediate Theatre Arts
10312X0H20	Newspaper *(prereq: Intro to Jour.)*
10292X0H10	Yearbook Publications *(prereq: Intro to Journ.)*
11212X0H10	Chinese I CC
11222X0H10	Chinese II CC
11022X0H10	French II
11035X0H10	French III - Honors
11622X0H10	German II
11822X0H10	Japanese II - CC
12422X0H10	Latin II
11492X0H10	Practical Span. for Native Speakers
11501X0H10	Prac. Span. for Native Speakers II
11422X0H10	Spanish II
11435X0H10	Spanish III - Honors
95022X0H15	Army JROTC II *(not at North or Reagan)*
95022X0H20	Aerospace Science II *(North and Reagan only)*
52562X0H10	Intermediate Band II
52312X0H10	Intermediate Chorus II
52412X0H10	Intermediate Orchestra II
45012X0H1S	World Geography *(semester/.5 unit)*
45015X0H1S	World Geography - Honors *(sem/.5 unit)*
42032X0H1S	International Relations *(semester/.5 unit)*
42035X0H1S	International Relations - Honors *(semester/.5 unit)*
96022X0H1S	SAT Prep *(semester/.5 unit)*
96100X0H10	Study Skills *(EC students only)*
FA312X0H15	Apparel I
74092X0H25	Building Trades II - *Kennedy only*
80090X0H15	Communications Systems
BW102X0H15	Multimedia and Webpage Design
BA102X0H15	Accounting I
AN512X0H15	Environmental and Natural Resources I
MI212X0H15	Fashion Merchandising
FN412X0H15	Foods I
FN422X0H15	Foods II – Enterprise - *Kennedy only*
AP412X0H15	Horticulture I
FI512X0H15	Interior Design I
80090X0H25	Manufacturing Systems
MM512X0H15	Marketing
FE602X0H15	Parenting & Child Development
80092X0H35	Structural Systems
TE122X0H15	Technological Design
80092X0H45	Transportation Systems



- Most courses are one-unit courses. Yearlong courses award credit at the end of the year, and traditional block courses award credit at the end of the 18-week course. Only a few electives award half-units of credit.
- Check course descriptions for prerequisites.
- Courses in a sequence (such as French I, II, III and IV) require that you pass the previous course before taking the higher level course unless otherwise specified.
- Courses listed in blue are available at the Career Center (CC) only.

Grades 11 & 12

Arts Education

Art

54150X0H10 Beginning Visual Art
54162X0H10 Intermediate Visual Art
54175X0H10 Proficient Visual Art - Honors
54185X0H10 Advanced Visual Art - Honors
54622X0H1S Art for Engineers *(Atk only)*
54527X0H10 AP Art - Drawing - CC and RJR *(prereq: Art II or Art I and participation/portfolio)*
54537X0H10 AP Art - Portfolio 2-Dim. - 2 periods - CC and RJR *(prereq: Art II or Art I and participation/portfolio)*
54547X0H10 AP Art - Portfolio 3-Dim. - 2 periods - CC and RJR *(prereq: Art II or Art I and participation/portfolio)*
54477X0H10 AP History of Art - CC and RJR
54498X0H10 IB Art I
54498X0H20 IB Art II
96102X0H20 Seminar in the Arts *(RJR only)*

Dance

51152X0H10 Beginning Dance
63022X0H3S Dance A *(.5 unit)*
63022X0H4S Dance B *(.5 unit)*
51162X0H10 Intermediate Dance
51175X0H10 Proficient Dance - Honors
51185X0H10 Advanced Dance - Honors
51185X0H20 IB Dance
51262X0H10 Ballet *(RJR only)*
51262X0H30 Tap *(RJR only)*
5126X0H20 Beginning Jazz *(RJR only)*

Music

52562X0H10 Intermediate Band
52575X0H10 Proficient Band - Honors
52585X0H10 Advanced Band - Honors
52982X0H10 Beginning Jazz Ensemble
52982X0H10 Intermediate Jazz Ensemble
52982X0H10 Proficient Jazz Ensemble
52982X0H10 Advanced Jazz Ensemble
52552X0H10 Beginning Marching Band
52562X0H1S Intermediate Marching Band
52575X0H10 Proficient Marching Band - Honors
52585X0H10 Advanced Marching Band - Honors
52172X0H70 Chamber Music *(RJR only)*
52172X0H60 Symphonic Band *(RJR only)*
52312X0H10 Intermediate Chorus
52325X0H10 Proficient Chorus - Honors
52335X0H10 Advanced Chorus - Honors
52172X0H10 A Cappella/Vacal Jazz/Perf. Ens *(RJR only)*
52162X0H20 Beginning Concert Choir
52172X0H20 Intermediate Concert Choir
52185X0H20 Proficient Concert Choir - Honors
52195X0H20 Advanced Concert Choir - Honors
52172X0H50 Beginning Piano *(RJR only)*
52172X0H50 Intermediate Piano *(RJR only)*
52172X0H50 Proficient Piano Honors *(RJR only)*
52172X0H50 Advanced Piano Honors *(RJR only)*
52172X0H20 Beginning Concert Choir *(RJR only)*
52172X0H20 Intermediate Concert Choir *(RJR only)*
52172X0H20 Proficient Concert Choir Honors *(RJR only)*
52172X0H20 Beginning Concert Choir Honors *(RJR only)*
52402X0H10 Advanced Orchestra *(prereq: Mid. School Strings)*
52412X0H10 Intermediate Orchestra
52425X0H10 Proficient Orchestra - Honors
52435X0H10 Advanced Orchestra - Honors
52162X0H10 Electronic Music I - CC
52172X0H30 Electronic Music II - CC
52157X0H10 AP Music Theory - CC *(prereq: read music well in one clef)*
47005X0H10 Music History - Honors - CC
52208X0H10 IB Music

Theatre Arts

53152X0H10 Beginning Theatre Arts
53162X0H10 Intermediate Theatre Arts
53175X0H10 Proficient Theatre Arts - Honors
53185X0H10 Advanced Theatre Arts - Honors
53622X0H20 Intermediate Technical Theater
53625X0H20 Proficient Technical Theatre - Honors
53625X0H20 Advanced Technical Theatre - Honors
53208X0H10 IB Theatre Arts I
53218X0H10 IB Theatre Arts II
54622X0H20 Introduction to Film and Video

English

10232X0H15 English III
10235X0H10 English III - Honors
10235X0H25 Honors Seminar III
10242X0H15 English IV
10245X0H15 English IV - Honors
10272X0H4S Shakespeare 101 *(semester/.5 unit)*
10275X0H1S Shakespeare 101 - Honors *(sem/.5 unit)*
10272X0H5S Shakespeare 102 *(semester/.5 unit)*
10275X0H2S Shakespeare 102 - Honors *(sem/.5 unit)*
10142X0H15 Speech & Debate I
10145X0H15 Speech & Debate I - Honors
10152X0H15 Speech & Debate II
10155X0H15 Speech & Debate II - Honors
10272X0H20 Ethnic American Literature
10275X0H10 Ethnic American Literature - Honors
10272X0H35 Studies in North Carolina Literature
10275X0H15 Studies in North Carolina Literature - Honors
10252X0H1S Introduction to Composition *(sem/.5 unit)*
10252X0H2S Intermediate Composition *(sem/.5 unit)*
10312X0H10 Introduction to Journalism
10312X0H20 Newspaper I
10315X0H10 Newspaper II - Honors
10315X0H10 Newspaper III - Honors
1031210H10 Newspaper IV
1031210H10 Newspaper V
10292X0H10 Yearbook Publications I
10295X0H10 Yearbook Pubs II - Honors
1029500H10 Yearbook Pubs III - Honors
10292X0H10 Yearbook Publications IV
10292X0H10 Yearbook Publications V
10367X0H10 AP English - Comp. & Literature
10357X0H10 AP English - Lang. & Comp. *(for juniors)*
10238X0H10 IB English III
10248X0H10 IB English IV

English as a Second Language

ESL classes are offered at Atkins, Carver, East Forsyth, Glenn, Mount Tabor, North Forsyth, Parkland, Reynolds and West Forsyth

10382X0H10 ESL I
10382X0H20 ESL II
10382X0H30 ESL III
10382X0H40 ESL IV

Foreign Language

11212X0H10 Chinese I CC
11222X0H10 Chinese II CC
11235X0H10 Chinese III CC - Honors
11245X0H10 Chinese IV CC - Honors
11257X0H10 AP Chinese CC *(prereq: Chinese III)*
11012X0H10 French I
11022X0H10 French II *(Prereq: French I)*
11035X0H10 French III - Honors
11045X0H10 French IV - Honors
11055X0H10 French V - Honors
11057X0H10 AP French - Lang *(prereq: Fr. III)*
11048X0H10 IB French IV
11058X0H10 IB French V
11612X0H10 German I
11622X0H10 German II *(Prereq: German I)*
11635X0H10 German III - Honors
11645X0H10 German IV - Honors
11655X0H10 German V- Honors
11657X0H10 AP German - Lang - CC *(prereq: Ger. III)*
11648X0H10 IB German IV
11658X0H10 IB German V
11812X0H10 Japanese I - CC
11822X0H10 Japanese II - CC
11835X0H10 Japanese III - CC - Honors
11845X0H10 Japanese IV - CC - Honors
11855X0H10 Japanese V - CC - Honors
11857X0H10 AP Japanese - CC *(prereq: Japanese III)*
12412X0H10 Latin I
12422X0H10 Latin II *(Prereq: Latin I)*
12435X0H10 Latin III - Honors
12445X0H10 Latin IV - Honors
12455X0H10 Latin V - Honors
12457X0H10 AP Latin *(prereq: Latin III)*
11492X0H10 Prac. Spanish for Native Speakers I
11501X0H10 Prac. Spanish for Native Speakers II
11412X0H10 Spanish I
11422X0H10 Spanish II *(Prereq: Spanish I)*
11435X0H10 Spanish III - Honors
11445X0H10 Spanish IV - Honors
11455X0H10 Spanish V - Honors
11457X0H10 AP Spanish - Language *(prereq: Spanish III)*
11457X0H20 AP Spanish -Literature *(prereq: Spanish III)*
11448X0H10 IB Spanish IV
11458X0H10 IB Spanish V

Health

63022X0H2S Health
61025X0H1S Health - Honors

Life Management Skills

44032X0H1S Personal and Social Responsibility *(semester/.5 unit)*
44012X0H1S Quest/Skills for Action *(semester/.5 unit)*

Mathematics

21032X0H10 Math I
22012X0H10 Math II *(prereq: Math I)*
22015X0H10 Math II - Honors *(prereq: Math I)*
23012X0H10 Math III *(prereq: Math I & II)*
23015X0H10 Math III - Honors *(prereq: Math I & II)*
20502X0H15 Foundations of Math I
20292X0H15 Foundations of Math II
20192X0H15 Foundations of Math II
24002X0H15 Advanced Functions and Modeling
24012X0H15 Discrete Math
24015X0H15 Discrete Math - Honors
24035X0H10 Pre-Calculus-Honors *(prereq: Alg II, Integrated Math III or Math III)*
24025X0H10 Integrated Math IV - Honors
27105X0H20 Systems Modeling - Honors - CC
25017X0H10 AP Calculus AB - CC, all high schools *(prereq: Pre-calculus or Integrated Math IV)*
25027X0H10 AP Calculus BC - CC *(prereq: Pre-calculus or Integrated Math IV)*
25117X0H10 AP Statistics - CC *(prereq: Completed or enrolled in Pre-calculus or Integrated Math IV)*
26008X0H10 IB Math Studies I
26018X0H10 IB Math Studies II
26008X0H20 IB Math I
26018X0H20 IB Math II
27102X0H10 Computer Science *(prereq: B in Alg. I, Integrated Math I or Math I)*

27105X0H10 Computer Science- Honors *(prereq: Alg. II, Integrated Math III or Math III or enrolled in Math III)*
25217X0H10 AP Computer Science A - CC *(prereq: completed or enrolled in Alg. II Honors or Math III Honors)*

Military Science

95012X0H15 Army JROTC I *(not at North or Reagan)*
95022X0H15 Army JROTC II *(not at North or Reagan)*
95032X0H15 Army JROTC III *(not at North or Reagan)*
95035X0H10 Army JROTC III Honors *(not at North or Reagan)*
95042X0H15 Army JROTC IV *(not at North or Reagan)*
95045X0H10 Army JROTC IV Honors *(not at North or Reagan)*
95042X0H30 Army JROTC V *(not at North or Reagan)*
95012X0H20 Aerospace Science I *(North and Reagan only)*
95022X0H20 Aerospace Science II *(North and Reagan only)*
95032X0H20 Aerospace Science III *(North and Reagan only)*
95035X0H20 Aerospace Science III Honors *(North and Reagan only)*
95042X0H20 Aerospace Science IV *(North and Reagan only)*
95045X0H20 Aerospace Science IV Honors *(North and Reagan only)*

Physical Education

63022X0H1S Physical Education I
62022X0H1S Physical Education II
62022X0H10 Physical Education III
62025X0H1S Physical Education III - Honors
62022X0H20 Physical Education IV

Science

Biological Science

33202X0H15 Biology
33205X0H15 Biology - Honors
33302X0H15 Human Anatomy & Physiology *(prerequisite: Biology)*
33305X0H15 Human Anatomy & Physiology - Honors *(prerequisite: Biology)*
31007X0H10 AP Biology - CC *(prereq: Biology and Chemistry)*
32008X0H10 IB Biology I
32018X0H10 IB Biology II *(prereq: IB Bio I)*

Earth & Environmental Science

35202X0H15 Global Science Issues
30205X0H10 Exploration of Alternative Energies - Honors - CC
31107X0H10 AP Enviro. Science - CC, in all high schools *(prereq: Biology and Chemistry or Physics)*
32108X0H10 IB Earth/Environmental Science

Physical Science

34102X0H15 Physical Science *(prereq: Algebra I, Integrated Math I or Math I)*
34202X0H15 Chemistry *(prereq: Biology and Alg. II or Integ. Math III or enrolled in Math III)*
34205X0H15 Chemistry - Honors *(prereq: Biology and Alg. II or Integ. Math III or enrolled in Math III)*
34302X0H15 Physics *(prereq: Algebra II, Integrated Math III or Math III)*
34305X0H15 Physics - Honors *(prereq: Algebra II, Integrated Math III or Math III)*
31207X0H10 AP Chemistry -- CC *(prereq: Algebra II, Integrated Math III or Math III)*
30637X0H10 AP Physics I -- CC *(prereq: Physics and Pre-Calculus or Integrated Math IV)*
31407X0H10 AP Physics II - CC *(prereq: Physics and AP Calculus BC or concurrent enrollment in AP Calculus BC)*
IB Chemistry *(prereq: Chemistry and Algebra II, Integrated Math III, or Math III)*
32318X0H10 IB Physics

Social Studies

43032X0H15 World History
43035X0H45 World History - Honors
43162X0H1S Bible History A
43165X0H1S Bible History A - Honors
43162X0H2S Bible History B
43165X0H2S Bible History B - Honors
45012X0H1S World Geography *(semester/.5 unit)*
45015X0H1S World Geography - Honors *(sem/.5 unit)*
43042X0H15 American History I
43045X0H15 American History I - Honors
43042X0H15 American History II
43045X0H15 American History II - Honors
42032X0H1S International Relations *(semester/.5 unit)*
42035X0H1S International Relations - Honors *(semester/.5 unit)*
46002X0H1S African American Studies *(sem/.5 unit)*
46005X0H1S African American Studies - Honors *(semester/.5 unit)*
46002X0H2S Latino American Studies *(semester/.5 unit)*
46005X0H2S Latino American Studies - Honors *(semester/.5 unit)*
44002X0H1S Sociology *(semester/.5 unit)*
44005X0H1S Sociology - Honors *(semester/.5 unit)*
46052X0H15 Western Humanities
46055X0H25 Western Humanities - Honors
46062X0H15 World Humanities
46065X0H15 World Humanities - Honors
43082X0H15 20th Century Civil Liberties and Civil Rights
43085X0H15 20th Century Civil Liberties and Civil Rights - Honors
44032X0H15 Psychology
44035X0H25 Psychology - Honors
44067X0H10 AP Psychology - CC, all high schools
42027X0H1S AP Govt. & Politics: U.S. - CC
42017X0H1S AP Govt. & Pol: Comp - CC
43077X0H10 AP United States History - CC, all high schools
43027X0H10 AP European History - CC
45027X0H10 AP Human Geography - CC, all schools
43107X0H10 AP World History - CC, all high schools
46027X0H1S AP Microeconomics - CC
46037X0H1S AP Macroeconomics - CC
44038X0H10 IB Psychology I
44048X0H10 IB Psychology II
43138X0H10 IB History of the Americas
43148X0H10 IB 20th Century World Topics
90008X0H10 IB Theory of Knowledge
44058X0H10 IB Philosophy
BI058X0H10 IB ITGS I

Special Offerings

96042X0H15 Teacher Cadet Program
96045X0H15 Teacher Cadet Program - Honors
96100X0H10 Study Skills *(prereq: EC certification)*
96022X0H1S SAT Preparation *(semester/.5 unit)*
96102X0H10 Service to School and Community
10292X0H1S Real World 101 *(semester/.5 unit)*
10295X0H2S Real World 101 - Honors *(semester/.5 unit)*

Career and Technical Education

CS952X0H15 CTE Advanced Studies
CS972X0H15 CTE Internship

Agricultural Education

AU102X0H15 Agriscience Applications
AN512X0H15 Env & Natural Resources Studies I
AN522X0H15 Env & Natural Resources Studies II
AP412X0H15 Horticulture I
AP422X0H15 Horticulture II

Business, Finance & Information Technology Education

BB302X0H15 Business Law
BB402X0H55 Business Management
BA102X0H15 Accounting I
BA205X0H15 Accounting II Honors
BM102X0H15 Microsoft ITA: Word &PowerPoint
BM202X0H15 Microsoft ITA: Excel & Access
BW102X0H15 Multimedia & Webpage Design
BW125X0H15 E-Commerce I Honors
BW145X0H15 E-Commerce II Honors
CN125X0H1S/ CN175X0H1S NAF Academy of Finance I: Principles of Accounting/Applied Finance - *East/ West only*
BF102X0H15 Principles of Business and Finance
ME112X0H15 Entrepreneurship I
ME122X0H15 Entrepreneurship II

Career Development

CC452X0H15 Career Management

Family & Consumer Sciences

FA312X0H15 Apparel I
FA322X0H15 Apparel II Enterprise
FA325X0H15 Apparel II Enterprise - Honors
FH202X0H15 Intro to Culinary Arts & Hospitality - 1 period - CC
FH212X0H15 Culinary Arts and Hospitality I - 1 periods- CC
FH222X0H10 Culinary Arts and Hospitality II - 2 periods - CC
FE112X0H10 Early Childhood Ed I - 2 pds - CC
FE125X0H10 Early Childhood Ed II - 2 pds - CC - Honors
FN412X0H15 Foods I
FN422X0H15 Foods II – Enterprise - *Kennedy only*
FN435X0H15 Foods II – Technology - *Atkins only*
FI512X0H15 Interior Design I
FI522X0H15 Interior Design II
FI532X0H15 Interior Applications
BF052X0H15 Personal Finance
FE602X0H15 Parenting & Child Development
FH712X0H15 ProStart I *Kennedy only*
FH722X0H15 ProStart II - *Kennedy only*
FU102X0H15 Teen Living

Health Science Education

HU402X0H15 Health Science I
HU405X0H15 Health Science I Honors
HU422X0H15 Health Science II
HU425X0H15 Health Science II Honors
HN432X0H10 Nursing Fundamentals - 2 pds
HN435X0H15 Nursing Fundamentals Honors - 2 pds
HB102X0H15 Biomedical Tech - *Atkins only*
72092X0H15 Biotechnology I - *Atkins only*
72092X0H25 Biotechnology II - *Atkins only*
72092X0H35 Forensic Science - *Atkins only*
72095X0H35 Forensic Science Honors - *Atkins only*
HU102X0H15 Health Team Relations - *Kennedy/Walk.*
HH322X0H15 Pharmacy Technician - *Kennedy*

Marketing Education

CN505X0H1S/	Academy of Hospitality and Tourism I
CN535X0H1S	Honors - *Carver only*
CN525X0H1S/	Academy of Hospitality and Tourism II
CN535X0H1S	Honors - *Carver only*
CN545X0H1S/	Academy of Hospitality and Tourism III
CN555X0H1S	Honors - *Carver only*
ME112X0H15	Entrepreneurship I
ME122X0H15	Entrepreneurship II
MH322X0H15	Fashion Merchandising
MI212X0H15	Marketing
MM516X0H15	Marketing Work Experience
MA522X0H15	Marketing Management
MA526X0H15	Marketing Mgmnt Work Experience
MH312X0H15	Sports & Entertainment Mktg I
MH322X0H15	Sports & Entertainment Mktg II
MU925X0H15	Strategic Marketing Honors
MU926X0H15	Strategic Marketing Work Experience
MH422X0H15	Hospitality and Tourism

Project Lead the Way

TP235X0H15	Civil Engineering and Architecture Honors - *Atkins only*
TP225X0H15	Computer Integrated Manufacturing - Honors - *Atkins only*
TP215X0H15	Digital Electronics Honors - *Atkins only*
TP315X0H15	Engineering Design and Development - *Atkins only*
TP115X0H15	Intro to Engineering Design - Honors *Atkins only*
TP125X0H15	Principles of Engineering Honors - *Atkins only*

Technology Engineering & Design Education

812525	Communications Systems
TS312X0H15	Game Art and Design - *Atkins only*
TS322X0H15	Advanced Game Art and Design - *Atkins only*
TE132X0H15	Engineering Design
TE112X0H15	Technology Engineering and Design
TE122X0H15	Technological Design
80092X0H45	Transportation Systems

Trade & Industrial Education

IA322X0H15	Advanced Digital Media - 1 pd - CC
II332X0H15	Adobe Video Design - 1 pd - CC
IT122X0H15	Automotive Brakes - 1 pd - CC
IT142X0H15	Automotive Electrical - 1 pd - CC
IT112X0H15	Automotive Service I- 1 pd - CC
IT162X0H15	Automotive Service II- 1 pd - CC
74092X0H15	Building Skills I – *Kennedy only*
74090X0H25	Building Skills II – *Kennedy only*
IL472X0H10	Aviation Technology I - 2 pds - CC
IL482X0H10	Aviation Tech. II - 2 periods - CC
IC212X0H15	Carpentry I - 1 pd - CC
IC222X0H15	Carpentry II - 2 periods - CC
IC232X0H15	Carpentry III- 2 periods - CC
IL442X0H10	Collision Body Repair I - 2 pds -CC
IL452X0H10	Collision Body Repair II - 2 periods -CC
IL642X0H10	Commercial Art I - 2 periods - CC
IL645X0H10	Commercial Art I Honors - 2 periods - CC
IL652X0H10	Commercial Art II - 2 periods - CC
IL655X0H10	Commercial Art II Honors - 2 periods - CC
IC002X0H15	Core & Sustainable Const. - 1pd - CC
78112X0H10	Cosmetology I - 3 periods - CC
78122X0H10	Cosmetology II - 2 periods - CC
IA312X0H15	Digital Media I - 1 period - CC
IC612X0H15	Drafting I - *East, Glenn, Mt. Tabor, Reynolds, West*
IC625X0H15	Drafting II Hnrs: Architectural - *East, Glenn, Mt. Tabor, Reynolds, West*
IV225X0H15	Drafting II Hnrs: Engineering - *East, Glenn, Mt. Tabor, Reynolds, West*
IC635X0H15	Drafting III Hnrs: Architectural - *East, Glenn, Mt. Tabor, Reynolds, West*
IV235X0H15	Drafting III Hnrs: Engineering - *East, Glenn, Mt. Tabor, Reynolds, West*
IC412X0H15	Electrical Trades I - 1pd - CC
IC422X0H15	Electrical Trades II - 1pd - CC
IC432X0H15	Electrical Trades III - 1pd - CC
II115X0H15	Network Engineering I Honors - 1 pd - CC
II125X0H15	Network Eng. II Honors - 1 pd - CC
IL672X0H10	Photography I - 2 periods - CC
IL682X0H10	Photography II - 2 periods - CC
IP112X0H15	Public Safety I - 1 per - *Walkertown*
IP122X0H15	Public Safety II - 1 per - *Walkertown*
IL702X0H10	Radio Broadcasting I - 2 periods- CC
IL712X0H10	Radio Broadcasting II - 2 pds - CC
TS212X0H15	Scientific Visualization I - *Atkins only*
TS225X0H15	Scientific Visualization II (Honors) - *Atkins only*

Forsyth Tech Offerings

N. C. Career & College Promise

Still in high school but ready for college courses? At Forsyth Tech, you can earn college credits that will get you a head start on your college career.

Career & College Promise is a program that offers North Carolina high school students a clear, focused and affordable way to begin their two- or four-year college work by earning college credits tuition-free. The program is open to all high school students who maintain a "B" average and meet other eligibility requirements.

Career & College Promise provides three paths to help advance eligible students' post-high school success: the **College Transfer Path**, the **Technical Career Path** and the **Cooperative Innovative High School Path**. Students must choose and commit to one of these paths, and changing of pathways is not generally permitted.

Tuition is waived for curriculum classes for fall and spring semesters. Students are responsible for purchasing their books and paying all fees to the college. Students will adhere to the Forsyth Tech college calendar, which is different than the public schools calendar.

For additional information, please contact Dr. Susan Phelps, the Dean of Educational Partnerships, 336-734-7236 or sphelps@forsythtech.edu.

The Technical Career Path

Technical Career Path offers high school students the opportunity to earn tuition-free course credits at Forsyth Tech toward a job credential, certificate or diploma in a technical career. Listed below are the certificate and diploma pathways available. Students must select one pathway and can only register for courses in that pathway.

Business and Information Technologies

- Accounting (Diploma)
- Business Administration – Global Entrepreneurship (Certificate)
- Business Administration – International Business (Certificate)
- Computer Information Technology (Certificate)
- Computer Information Technology – Helpdesk Operations (Diploma)
- Computer Programing (Diploma)
- Computer Programing (Certificate)
- Computer Programming – ASP.Net (Certificate)
- Computer Programming – JAVA Programming (Certificate)
- Global Logistics Technology (Diploma)
- Medical Office Administration (Diploma)
- Networking Technology – Cisco Networking Associate (Certificate)
- Networking Technology – Linux RHCE (Certificate)
- Networking Technology – MCITP-EA (Diploma)
- Networking Technology – Networking Security (Diploma)
- Office Administration (Diploma)
- Project Management Technology – Information Systems (Certificate)
- Web Technologies (Certificate)

Mathematics, Technology and Science

- Fire Safety Technology
- Biotechnology

Engineering Technologies

- Air Conditioning, Heating and Refrigeration Technology (Diploma)
- Automotive Systems Technology (Diploma)
- Carpentry (Diploma)
- Collision Repair and Refinishing Technology (Diploma)
- Computer Integrated Machining (Diploma)
- Electrical/Electronics Technology (Diploma)
- Electronics Engineering Technology (Certificate)
- Graphic Arts and Imaging Technology (Diploma)
- Heavy Equipment and Transport Technology (Diploma)
- Heavy Equipment and Transport Technology (Certificate)
- Horticulture Technology – Greenhouse and Nursery Operations (Certificate)
- Horticulture Technology – Landscape Maintenance (Certificate)
- Industrial Systems Technology (Diploma)
- Plumbing (Diploma)
- Recreational Vehicle Maintenance and Repair Technology (Certificate)
- Welding Technology (Diploma)

Humanities and Social Sciences

- Early Childhood Education (Diploma)

Requirements

- High school junior or senior at least 15 years of age.
- Weighted GPA of 3.0 on all high school classes, or recommendation for consideration by principal or his/her designee.
- Meet prerequisites for all courses.
- Demonstrate college readiness on an assessment/placement test for the courses in which the student is enrolling. To meet course prerequisites, students may be allowed only one retest with appropriate approval.
- Courses taken at Forsyth Tech can be used for granting articulated credit at the high school level with honors credit status.
- All students must enroll and register in the Office of Educational Partnerships.

Submit to Office of Educational Partnerships:

- Forsyth Tech application
- Permission form
- Official transcript and test scores
- Home school students are required to have notarized transcripts, proof of age, and North Carolina Office of Non-Public Instruction proof of registration.

To Maintain Eligibility

- A 2.0 GPA in all college coursework after completing at least two courses.
- Continued enrollment in high school with a minimum halftime enrollment status.

The Cooperative Innovative High School Path

Begin earning tuition-free college credits as a high-school freshman by attending a Cooperative Innovative High School, such as Early College of Forsyth. These schools offer students the opportunity to earn a high school diploma and an associate's degree at the same time. Forsyth Middle College also is a Cooperative Innovative High School for students in the 11th and 12th grade and part of Career and College Promise. It offers its students the opportunity to earn some transferable college credits and obtain their high school degrees.

For more information about these programs, please see pages 33 and 34.

The College Transfer Path

Earn tuition-free course credits toward a four-year degree by taking courses through Forsyth Tech. Credits transfer seamlessly to all University of North Carolina institutions and many of North Carolina's independent colleges and universities. Forsyth Tech has four College Transfer pathways available.

Articulated courses are selected high school courses that students can use to earn advanced standing credit at Forsyth Tech. Upon high school graduation, the student must provide the Admissions Office at Forsyth Tech with documentation of successfully earned articulated credit. By using these courses to get advanced standing, students can complete a community college degree, diploma or certificate sooner and pay less tuition.

Business and Economics Program of Study

Course Prefix/Number	Course Name
English Composition	
ENG 111	Expository Writing
ENG 112	Argument-Based Research
Humanities/Fine Arts	
ENG 131	Introduction to Literature
Social/Behavioral Sciences	
HIS 121	Western Civilization I
SOC 210	Introduction to Sociology
ECO 251	Principles of Microeconomics
Natural Sciences/Mathematics	
BIO 111	General Biology I
MAT 161	College Algebra
Other Required General Education	
CIS 110	Introduction to Computers
COM 231	Public Speaking
Other Requirements	
ACA 122	College Transfer Success
MAT 161A	College Algebra Lab
Total hours of credit	**33**

Humanities and Social Science Program of Study

Course Prefix/Number	Course Name
English Composition	
ENG 111	Expository Writing
ENG 112	Argument-Based Research
Humanities/Fine Arts	
ENG 131	Introduction to Literature
ART 111	Art Appreciation
Social/Behavioral Sciences	
HIS 121	Western Civilization I
PSY 150	General Psychology
Natural Sciences/Mathematics	
BIO 111	General Biology I
MAT 161	College Algebra
Other Required General Education	
COM 231	Public Speaking
SPA 111	Elementary Spanish I
Other Requirements	
ACA 122	College Transfer Success
MAT 161A	College Algebra Lab
Total hours of credit	**33**

Engineering and Mathematics Program of Study

Course Prefix/Number	Course Name
English Composition	
ENG 111	Expository Writing
ENG 112	Argument-Based Research
Humanities/Fine Arts	
ENG 131	Introduction to Literature
Social/Behavioral Sciences	
HIS 121	Western Civilization I
ECO 251	Principles of Microeconomics
Natural Sciences	
CHM 151	General Chemistry I
Mathematics	
MAT 171	Precalculus Algebra
MAT 172	Precalculus Trigonometry
MAT 271	Calculus I
Other Requirements	
ACA 122	College Transfer Success
Total hours of credit	**30**

Life and Health Sciences Program of Study

Course Prefix/Number	Course Name
English Composition	
ENG 111	Expository Writing
ENG 112	Argument-Based Research
Humanities/Fine Arts	
ENG 131	Introduction to Literature
Social/Behavioral Sciences	
HIS 121	Western Civilization I
Natural Sciences/Mathematics	
BIO 111	General Biology I
BIO 112	General Biology II
CHM 151	General Chemistry I
CHM 152	General Chemistry II
MAT 171	Precalculus Algebra
Other Requirements	
ACA 122	College Transfer Success
Total hours of credit	**32**

Requirements

- High school junior or senior at least 15 years of age.
- Weighted high school GPA of 3.0 on all high school courses.
- Meet prerequisites for all courses.
- Demonstrate college readiness by achieving a required score on a state-approved test. Students must take and pass all subsections of a single test to place into the College Transfer Pathway. Multiple administrations of subsections are not permissible. Students may be allowed only one re-test with appropriate approval.
- Students may take the Accuplacer placement test, which is available at Forsyth Tech.
- Courses taken at Forsyth Tech can be used for granting articulated credit at the high school level with honors credit status.
- All credits are transferable but may be considered elective credit if the Pathway is not completed.
- All students must enroll and register in the Office of Educational Partnerships.

Submit to Office of Educational Partnerships

- Forsyth Tech application
- Permission form
- Official high school and other college transcripts
- Official test scores
- Home school students are required to have notarized transcripts, proof of age, and N.C. Office of Non-Public Instruction proof of registration.

To Maintain Eligibility

- A 2.0 GPA in all college coursework after completing at least two courses.
- Continued enrollment in high school with a minimum half-time enrollment status.

Forsyth Tech Articulated Courses

Articulated courses are selected high school courses that students can use to earn advanced standing credit at Forsyth Tech. Upon high school graduation, the student must provide the Admissions Office at Forsyth Tech with documentation of successfully earned articulated credit. By using these courses to get advanced standing, students can complete a community college degree, diploma or certificate sooner and pay less tuition.

WS/FCS Course Title	Forsyth Tech Course Number	Forsyth Tech Course Title
Agricultural Education		
Horticulture I	HOR-150	Intro to Horticulture
Horticulture II	HOR-114 OR	Landscaping Construction OR
	LSG-111	Basic Landscaping Technique
Business and Information Technology Education		
Accounting I	ACC-115 OR	College Accounting OR
	ACC-118	Accounting Fundamentals I
Accounting II	ACC-115 OR	College Accounting OR
	ACC-118 OR	Accounting Fundaments I OR
	ACC-119	Accounting Fundaments II
Microsoft Word, Power Point, Publisher	CIS-111 OR	Basic PC Literacy OR
	CIS-124 OR	DTP Graphics Software OR
	OST-136	Word Processing
Multimedia and Webpage Design	WEB-110 OR	Internet/Web Fundamentals OR
	WEB-120	Intro Internet Multimedia
	NOS-230	Windows Admin I
Personal Finance	BUS-125	Personal Finance
Family and Consumer Science Education		
Early Childhood Education I AND Early Childhood Education II	EDU-119	Intro to Early Childhood Education
Foods I AND Foods II Enterprise	CUL-112	Nutrition for Food Service
Health Occupations Education		
Health Science I	MED-121 AND	Medical Terminology I AND
	MED-122	Medical Terminology II
Health Science II	HSC-110 AND	Orientation to Health Careers AND
	(HSC-120 OR	(CPR OR)
	MED-180)	CPR Certification
Nursing Fundamentals	NAS-101	Nursing Assistant I
Pharmacy Technician	PHM-110	Introduction to Pharmacy
Marketing Education		
Entrepreneurship I	ETR-210	Intro to Entrepreneurship
Marketing	ETR-230 OR	Entrepreneur Marketing OR
	MKT-110 OR	Principles of Fashion OR
	MKT-120	Principles of Marketing
Trade and Industrial Education		
Advanced Digital Media	DME-115 OR	Graphic Design Tools OR
	DME-120	Intro to Multimedia Applications
Auto Brakes I	AUT-151	Brake Systems
Auto Service	AUT-110	Intro to Auto Technology
Automotive Electrical AND Automotive Electrical Advanced	AUT-161	Basic Auto Electricity
Carpentry II	CST-111	Construction I
Carpentry III	CST-112	Construction II
Carpentry IV	CST-113	Construction III
Computer Engineering Technology I	CTS-120	Hardware/Software Support
Computer Engineering Technology II	CTS-220	Advanced Hardware/Software Support
Carpentry I	CAR-110 OR	Intro to Carpentry OR
	WOL-110 OR	Basic Construction Skills OR
	CST-110	Intro to Construction
Digital Media	DME-110	Intro to Digital Media
Drafting I	DFT-111 AND	Technical Drafting I AND
	DFT-111A	Technical Drafting I Lab
Drafting I AND	DFT-115 OR	Architectural Drafting OR
Drafting II - Architectural	DFT-119 OR	Basic CAD OR
	ARC-114	Architectural CAD
Drafting I AND Drafting II - Engineering	DFT-151	CAD I
Drafting III - Engineering	DFT-112 AND	Technical Drafting II AND
	DFT-112A	Technical Drafting II Lab
Electrical Trades I AND Electrical Trades II	ELC-113	Basic Wiring I
	EGR-131	Intro to Electronics Tech
Metals Manufacturing Technology I AND	BPR-111 AND	Blueprint Reading AND
Metals Manufacturing Technology II	MAC-111 AND	Machining Technology I AND
	MAC-151	Machining Calculations
Network Engineering Technology I	NET-125 OR	Networking Basics OR
	NET-110	Networking Concepts
Network Engineering Technology II	NET-125 OR	Networking Basics OR
	NET-126	Routing Basics

Forsyth Tech Articulated Courses

Forsyth Tech also grants credit to students who successfully complete Advanced Placement exams in high school. Credit is given for scores of "3" or higher on exams that are applicable to program requirements. Students must provide the Admissions Office with official score reports to receive credit.

WS/FCS Course	Forsyth Tech Course(s)
AP English-Lang. & Comp (3 or better)	ENG 111 Expository Writing
AP English-Comp. & Lit. (3 or better)	ENG 112 Argument-Based Research
AP Spanish - Language (3 or 4)	SPA 111 Elementary Spanish I
AP Spanish - Language (5)	SPA 111 & 112 Elementary Spanish I & II
AP French - Language (3)	FRE 111 Elementary French I
AP French - Language (5)	FRE 111 & 112 Elementary French I & II
AP German -Language (3 or 4)	GER 111 Elementary German I
AP German - Language (5)	GER 111 & 112 Elementary German I & II
AP Math AB (3 or better)	MAT 271 Calculus I
AP Math BC (5)	MAT 271 Calculus I and
	MAT 272 Calculus II
AP Statistics (3 or better)	MAT 155 Statistics I Math 155A Statistics I Lab
AP Biology (3 or 4)	BIO 111 General Biology I
AP Biology (5)	BIO 111 General Biology I and BIO 112 General Biology II
AP Chemistry (3 or 4)	CHM 151 General Chemistry I
AP Chemistry (5)	CHM 151 General Chemistry I and CHM 152 General Chemistry II
AP Computer Science A (3)	CSC 151 Java Programming
AP Computer Science B (3) with Interview	CSC 258 Java Enterprise
AP Physics (3 or 4)	PHY 151 College Physics I
AP Physics (5)	PHY 151 College Physics I and PHY 152 College Physics II
AP Psychology (3 or better)	PSY 150 General Psychology or PSY 118 Interpersonal Psychology
AP Art History (3 or 4)	ART 114 Art History Survey
AP Art History (5)	ART 114 & 115 Art History Survey I & II
AP Art Drawing I (3 or better)	ART 131 Drawing I
AP Art Portfolio 2 or Portfolio 3 (3 or better	ART 214 Portfolio & Resume
AP Environmental Science (3 or better)	BIO 140 Environmental Biology BIO 140A Environmental Biology Lab
AP Government & Politics: US (3 or better)	POL 120 American Government
AP Government: Comparative (3 or better)	POL 210 Comparative Government
AP US History (3 or 4)	HIS 131 American History I
AP US History (5)	HIS 131 American History I and HIS 132 American History II
AP European History (3 or 4)	HIS 121 Western Civilization I
AP European History (5)	HIS 121& HIS 122 Western Civilization I & II
AP Music Theory (3 or better)	MUS 121 Music Theory
AP Microeconomics (3 or better)	ECO 251 Principles of Microeconomics
AP Macroeconomics (3 or better)	ECO 252 Principles of Macroeconomics

Arts, A/V Technology & Communications
Pathway: Graphic Arts & Imaging Technology (Diploma)

Recommended High School Course of Study

9th Grade Electives
Microsoft Word & PowerPoint
Microsoft Excel & Access

10th Grade Electives
Multimedia & Webpage Design

11th Grade Electives
Scientific Visualization I

12th Grade Electives
Principles of Business and Finance
Digitial Media
Advanced Digital Media

Forsyth Tech Program of Study

Course Prefix/Number	**Course Name**
ENG 111	Expository Writing
MAT 115	Mathematical Models
Total hours for general education courses	6
Core Courses	
GRA 121	Graphic Arts I
GRA 151	Computer Graphics I
GRA 152	Computer Graphics II
GRA 221	Graphic Arts II
GRA 255	Image Manipulation I
GRA 256	Image Manipulation II
GRD 141	Graphic Design I
Total hours for core courses	20
Other Major Courses	
CIS 110	Introduction to Computers
GRA 110	Graphic Arts Orientation
GRA 112	Graphics Problem Solving
GRA 161	Computer Graphics Apps I
GRA 162	Computer Graphics Apps II
GRA 222	Graphic Arts III
Total hours for other major courses	13
Total hours	**39**

Business Management & Administration
Pathway: Business Administration/International Business (Certificate)

Recommended High School Course of Study

9th Grade Electives
Microsoft Word & PowerPoint
Microsoft Excel & Access

10th Grade Elective
Multimedia & Webpage Design

11th Grade Elective
Marketing

12th Grade Electives
Business Law
Business Management
Strategic Marketing

Forsyth Tech Program of Study

Course Prefix/Number	**Course Name**
Core Courses	
BUS 115	Business Law I
INT 110	International Business
INT 210	International Trade
INT 230	International Law
Total hours for core courses	12
Other Major Courses	
INT 115	Global Communications
MKT 224	International Marketing
Total hours for other major courses	6
Total hours	**18**

Business Management & Administration
Pathway: Office Administration (Diploma)

Recommended High School Course of Study

9th Grade Electives
Microsoft Word & PowerPoint
Microsoft Excel & Access

10th Grade Elective
Multimedia & Webpage Design

11th Grade Elective
Accounting I

12th Grade Electives
Business Law
Principles of Business & Finance

Forsyth Tech Program of Study

Course Prefix/Number	Course Name
General Education Courses (certificate general education is optional)	
ENG 111	Expository Writing
COM 231	Public Speaking
Total hours for general education courses	6
Core Courses	
CIS 110	Introduction to Computers
OST 134	Text Entry & Formatting
OST 164	Text Editing Applications
OST 181	Intro to Office Systems
OST 184	Records Management
Total hours for core courses	15
Other Major Courses	
CTS 130	Spreadsheet
OST 130	Comprehensive Keyboarding
OST 136	Word Processing
OST 137	Office Software Applications.
OST 162	Executive Terminology
OST 286	Professional Development
Total hours for other major courses	18
Total hours	**39**

Information Technology
Pathway: Computer Information Technology (Certificate)

Recommended High School Course of Study

9th Grade Electives
Microsoft Word & PowerPoint
Microsoft Excel & Access

10th Grade Electives
Networking Engineering I

11th Grade Electives
Networking Engineering II

12th Grade Electives
Business Law
Multimedia & Webpage Design
Marketing

Forsyth Tech Program of Study

Course Prefix/Number	Course Name
Core Courses	
CIS 110	Introduction to Computers
CTS 115	Info Sys Business Concept
CTS 120	Hardware/Software Support
NET 110	Networking Concepts
NOS 110	Operating System Concepts
SEC 110	Security Concepts
Total hours for core courses	18
Total hours	**18**

Education & Training
Pathway: Early Childhood Education (Diploma)

Recommended High School Course of Study

9th Grade Electives
Microsoft Word & PowerPoint
Microsoft Excel & Access

10th Grade Electives
Parenting & Child Development

11th Grade Electives
Early Childhood Education I

12th Grade Electives
Entrepreneurship I
Principles of Business & Finance
Early Childhood Education II

Forsyth Tech Program of Study

Course Prefix/Number	Course Name
General Education Courses (certificate general education is optional)	
ENG 111	Expository Writing
PSY 118	Interpersonal Psychology
Total hours for general education courses	6
Core Courses	
EDU 119	Intro to Early Child Education
EDU 131	Child, Family, & Communication
EDU 144	Child Development I
EDU 145	Child Development II
EDU 146	Child Guidance
EDU 151	Creative Activities
EDU 153	Health, Safety & Nutrition
EDU 221	Children with Exceptional
EDU 271	Educational Technology
EDU 280	Language & Literacy Exp
Total hours for core courses	31
Other Major Courses	
CIS 110	Introduction to Computers
COM 120	Intro Interpersonal Com
EDU 214	Early Child Interm Pract
Total hours for other major courses	10
Total hours	**47**

Information Technology
Pathway: Network Security Technology (Diploma)

Recommended High School Course of Study

9th Grade Elective
Microsoft Word & PowerPoint
Microsoft Excel & Access

10th Grade Elective
Multimedia & Webpage Design

11th Grade Electives
Networking I

12th Grade Electives
Principles of Business
Networking II

Forsyth Tech Program of Study

Course Prefix/Number	Course Name
General Education Courses	
ENG 111	Expository Writing
MAT 161	College Algebra
Total hours for general education courses	6
Core Courses	
CIS 110	Introduction to Computers
NET 125	Networking Basics
NET 126	Routing Basics
NOS 110	Operating System Concepts
NOS 120	Linux/UNIX Single User
NOS 130	Windows Single User
NOS 220	Linux/UNIX Admin I
NOS 230	Windows Admin I
SEC 110	Security Concepts
Total hours for core courses	27
Other Major Courses	
SEC 150	Secure Communications
SEC 160	Secure Admin I
SEC 210	Intrusion Detection
Total hours for other major courses	9
Total hours	**42**

Manufacturing
Pathway: Computer Integrated Machining (Diploma)

Recommended High School Course of Study

9th Grade Electives
Microsoft Word & PowerPoint

10th Grade Electives
Microsoft Excel & Access

11th Grade Electives
Manufacturing Systems

12th Grade Electives
Technology Engineering & Design

Forsyth Tech Program of Study

Course Prefix/Number	Course Name
General Education Courses	
ENG 115	Oral Communication
MAT 120	Geometry and Trigonometry
Total hours for general education courses	6
Core Courses	
BPR 111	Blueprint Reading
MAC 111	Machining Technology I
MAC 112	Machining Technology II
MEC 110	Intro to CAD/CAM
Total hours for core courses	16
Other Major Courses	
BPR 121	Blueprint Reading: Mech
CIS 113	Computer Basics
ISC 113	Industrial Specifications
MAC 121	Intro to CNC
MAC 122	CNC Turning
MAC 124	CNC Milling
MAC 151	Machining Calculations
MAC 222	Advanced CNC Turning
MAC 224	Advanced CNC Milling
MEC 142	Physical Metallurgy
Total hours for other major courses	18
Total hours	**40**

Manufacturing
Pathway: Industrial Systems

Recommended High School Course of Study

9th Grade Electives
Microsoft Word & PowerPoint

10th Grade Electives
Microsoft Excel & Access

11th Grade Electives

12th Grade Electives

Forsyth Tech Program of Study

Course Prefix/Number	Course Name
General Education Courses	
ENG 111	Expository Writing
MAT 115	Mathematical Models
Total hours for general education courses	6
Core Courses	
BPR 111	Blueprint Reading
ELC 112	DC/AC Electricity
HYD 110	Hydraulics/Pneumatics I
ISC 112	Industrial Safety
MEC 111	Machine Processes I
MNT 110	Intro to Maint Procedures
WLD 112	Basic Welding Processes
Total hours for core courses	19
Other Major Courses	
CIS 111	Basic PC Literacy
ELC 113	Basic Wiring I
ELC 117	Motors and Controls
MEC 130	Mechanisms
MNT 111	Maintenance Practices
Total hours for other major courses	16
Total hours	**41**

Transportation, Distribution & Logistics Pathway: Automotive Systems Technology (Diploma)

Recommended High School Course of Study

9th Grade Elective
Not available

10th Grade Elective
Not available

11th Grade Electives
Transportation Systems
Automotive I –Brakes
Automotive Systems Diagnostic

12th Grade Electives
Automotive II –Electrical
Automotive Electronics Advanced

Forsyth Tech Program of Study

Course Prefix/Number	Course Name
General Education Courses	
ENG 111	Expository Writing
MAT 115	Mathematical Models
Total hours for general education courses	6
Core Courses	
AUT 141	Suspension & Steering Sys
AUT 151	Brake Systems
AUT 161	Basic Auto Electricity
AUT 181	Engine Performance 1
AUT 183	Engine Performance 2
Total hours for core courses	18
Other Major Courses	
AUT 110	Intro to Auto Technology
AUT 116	Engine Repair
AUT 116A	Engine Repair Lab
AUT 141A	Suspension & Steering Lab
AUT 151A	Brake Systems Lab
AUT 163	Adv Auto Electricity
AUT 171	Auto Climate Control
AUT 181A	Engine Performance 1 Lab
AUT 285	Intro to Alternative Fuel
Total hours for other major courses	20
Total hours	**44**

Architecture & Construction Pathway: Carpentry (Diploma)

Recommended High School Course of Study

9th Grade Electives
Drafting I
Core & Sustainable Construction

10th Grade Electives
Carpentry I
Drafting II-Architectural
Electrical Trades I

11th Grade Electives
Carpentry II
Electrical Trades II
Drafting III-Architectural

12th Grade Electives
Carpentry III
Electrical Trades III

Forsyth Tech Program of Study

Course Prefix/Number	Course Name
General Education Courses	
ENG 111	Expository Writing
MAT 115	Mathematical Models
Total hours for general education courses	6
Core Courses	
BPR 130	Blueprint Reading/Const
CAR 110	Introduction to Carpentry
CAR 111	Carpentry I
CAR 112	Carpentry II
CAR 113	Carpentry III
CAR 115	Res Planning/Estimating
Total hours for core courses	29
Other Major Courses	
CAR 114	Residential Bldg Codes
Total hours for other major courses	3
Total hours	**38**

Notes

High School Counseling Centers

ATKINS
703-6754 (Office), 703-6759 (Counseling)
3605 Old Greensboro Road, Winston-Salem, NC 27101
Joe Childers, Principal
Counselors: Kenya Redd (Director), Felicia Tubbs

CAREER CENTER
727-8181 (Office), 727-8185 (Counseling)
910 Highland Court, Winston-Salem, NC 27101
Dennis Moser, Principal
Counselors: Greg Sims (Director), Stefanie Jones

CARTER VOCATIONAL
703-4119 Office); 703-4120 (Counseling)
851 Highland Court, Winston-Salem, NC 27101
Donna Horton, Principal
Counselor: Daya Patton

CARVER
727-2987 (Office), 727-2230 (Counseling)
3545 Carver School Road, Winston-Salem, NC 27105
Ronald Travis, Principal
Counselors: Tonya Withers (Director), Theresa Hamer, Renae Irving, Nakisha Ingram

EARLY COLLEGE OF FORSYTH
757-3290 (Office), 757-3301 (Counseling)
On the campus of Forsyth Technical Community College,
2100 Silas Creek Parkway, Winston-Salem, NC 27103
Frances Cook, Principal
Counselor: Dexter Felder
College Liaison: Porchia McDaniel

EAST FORSYTH
703-6735 (Office), 727-2108 (Counseling)
2500 W. Mountain Street, Kernersville, NC 27284
Patricia Gainey, Principal
Counselors: Angela Hubbard (Director), Heather Beeson, Kassy Gallup, Sharon Sherman, Jenn Wyshner, David Ewalt

FORSYTH MIDDLE COLLEGE
734-7437 (Office), 734-7163 (Counseling)
On the campus of Forsyth Technical Community College,
Winston-Salem, NC 27103
William Wynn III, Principal
Counselor: Barbara Ashe

GLENN
771-4500 (Office), 771-4505 (Counseling)
1600 Union Cross Road, Kernersville, NC 27284
Brad Craddock, Principal
Counselors: Natalie Harding (Director), Ryanne Cannady, Tanya Neal, Stephanie O'Boyle, Dean Orfanedes

JOHN F. KENNEDY HIGH SCHOOL
703-4143 (Office), 703-4144 (Counseling)
890 E. 11th Street, Winston-Salem, NC 27101
Leslie Alexander, Principal
Counselor: Stacey Marshall and Daryle Maxwell

KINGSWOOD SCHOOL AT THE CHILDREN'S HOME
703-4128 (Office), 703-4128 (Counseling)
1001 Reynolda Road, Winston-Salem, NC 27104
Ted Burcaw, Principal
Counselor: Kindra Ritzie-Pouncey

MAIN STREET ACADEMY
771-4580 (Office), 771-4584 (Counseling)
2700 S. Main Street, Winston-Salem, NC 27127
TBA, Principal
Counselor: April Winn (Director)

MOUNT TABOR
703-6700 (Office), 703-6728 (Counseling)
342 Petree Road, Winston-Salem, NC 27106
Ed Weiss, Principal
Counselors: Stan Huck (Director), Corey Daniel, Kristen Doyle, David Naff, Colleen Santos-Roberts

NORTH FORSYTH
661-4880 (Office), 661-4890 (Counseling)
5705 Shattalon Drive, Winston-Salem, NC 27105
Rodney Bass, Principal
Counselors: Sonya Withers (Director), Charlotte Alwine, Carl Glenn, Anna Gilkey, Jessica Harris

PAISLEY IB MIDDLE YEARS PROGRAMME
703-4168 (Office), 703-4169 (Counseling)
1400 Grant St., Winston-Salem, NC 27105
Gary Cone, Principal
Counselor: Cathy Birmingham

PARKLAND
771-4700 (Office), 771-4711 (Counseling)
1600 Brewer Road, Winston-Salem, NC 27127
Spencer Hardy, Principal
Counselors: Amy Samek (Director), Amanda Connelly, Shirley Davis, Denise McDonald, Karrie Tuttle

REAGAN
703-6776 (Office), 703-6778 (Counseling)
3750 Transou Road, Pfafftown, NC 27040
Frank Martin, Principal
Counselors: Joel Cordray (Director), Marissa Dancy, Randy Norris, Tameka Oliphant, Carly Youngman

REYNOLDS
727-2061 (Office), 727-2012 (Counseling)
301 N. Hawthorne Road, Winston-Salem, NC 27104
Pat Olsen, Principal
Counselors: Nicole Beale (Director), Cristen Wiley, Lisa Lara, Mary Anne McClain, Amy Williams

WALKERTOWN
703-4151; 703-4152 (Counseling)
5240 Sullivantown Drive, Walkertown, NC 27051
Jay Jones, Principal
Counselor: Maria Watkins (Director), Adam Carter, Catherine House

WEST FORSYTH
712-4400 (Office), 712-4403 (Counseling)
1735 Lewisville-Clemmons Road, Clemmons, NC 27012
Charles McAninch, Principal
Counselors: Cindy Zimmerman (Director), Robin Downs, Bette Freidinger, Katie Widle, Tammy Winchester

WINSTON-SALEM PREPARATORY ACADEMY
703-6732 (Office), 703-6736 (Counseling)
12th Street and North Cameron Avenue, Winston-Salem, NC 27101
Richard Watts, Principal
Counselor: Rhonda Scott