

ACADEMIC PLANNING GUIDE

2016-2017

Provided by the Guidance Department
New Boston High School

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The policy of the New Boston Independent School District is to comply fully with the nondiscrimination provisions of all state and federal laws and regulations by assuring that students are afforded equal access to regular, vocational, special education programs, and activities without regard to race, religion, color, national origin, sex, or handicapping conditions as provided in these laws and regulations.

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Spring 2016

Dear Student:

This course guide is designed to familiarize you with New Boston High School courses, prerequisites, grade levels, course descriptions, and credit units. You should read the entire bulletin thoroughly. This will help facilitate your conference with our counselors concerning your course selections and your high school academic program.

We urge you to do your best as a scholar and make your citizenship an example for others to see. In this way, you will assure for yourself a year of intellectual growth and also make a personal contribution to the reputation for excellence, which New Boston High School has had for many years. We hope this year is exciting, challenging, and rewarding for you academically and personally.

It is the desire of all of us in the school district to help you in every way possible to assure a successful educational experience. If you have any questions concerning the curriculum at New Boston High School, please let us assist you. It is our hope that the school year and your experience here will contribute significantly to your future.

Sincerely,

Jana Duffer, Counselor/Academic Advisor

Tonya Briggs, Academic Advisor

New Boston High School Academic Planning Guide

Choosing the right courses and registering properly are two of the most important things students and parents can do every year to ensure a quality educational experience for their children. It is essential that both parents and students think carefully about long-range plans when making decisions about which courses to take. Every effort will be made to keep parents and students informed throughout this process. Students who receive sound parental input and give their full attention to selecting the right courses are much more likely to attain their stated educational goals.

Course selection sheets will be distributed to students in February. Students will use these forms to indicate which courses they plan to take for the 2016-2017 school year. Students should follow established deadlines and return the completed course selection sheet in a timely fashion. All students must choose at least two alternate electives in case of scheduling conflicts. Upperclassmen will be given priority when conflicts arise. If students fail to complete and return the course selection sheet, and subsequently fail to enter in the SKYWARD program, courses will be chosen for them.

Course selection is FINAL! All scheduling decisions are made based on the course requests we receive from our students, and scheduling begins well before the end of the current school year. Once course selection sheets are completed, signed, and returned, they are considered final. In the event that a change is deemed absolutely necessary after this date, a schedule change request form must be completed and returned for consideration. These forms are available in the counselor's office. No changes will be made over the phone, and only necessary course changes will be considered. Changes will not be made based on preference or a change of mind. Students will be given a list of the courses they have selected with their last report card. This is not a schedule; rather, it is a list of the courses they have requested for the next school year. **No course changes will be made after Friday, July 1.** Schedules will be given to students prior to the first day of school.

Substantial differences should be expected between regular and advanced courses (Pre-Advanced Placement, Advanced Placement, and dual credit). Regular courses are designed to meet both state and local expectations for all students while equipping them for a variety of pursuits after high school, including college. Students are not required to take advanced level courses in order to pursue any diploma type. Advanced courses are designed to challenge students significantly and typically require more higher-order thinking and application of skills and concepts. These courses are recommended for students who have performed at a high level academically in the past and who are willing to push themselves when confronted with rigorous course work. Students enrolling in dual credit courses must satisfy the college entrance requirements set forth by the Texas Higher Education Coordinating Board. Parents and students are encouraged to consider the decision to take advanced courses carefully. Schedule changes are in no way guaranteed for students who struggle in an advanced course.

NEW BOSTON ISD VISION

New Boston ISD ignites student learning and engagement at the highest level.

NEW BOSTON ISD MISSION

New Boston ISD will provide a premier education that will empower all students to become leaders, contributing citizens, and life-long learners.

BELIEF STATEMENTS

We believe:

- 1] All students will receive a rigorous education and be afforded the opportunity to excel.
- 2] Our diverse student population is strengthened by an all-inclusive environment and respect for cultural differences.
- 3] Our strong, caring and dedicated staff values learning and fosters an environment of hope and motivation for all students.
- 4] The involvement of our community is vital in providing ways to support opportunities for student success.
- 5] Students are entitled to a safe environment that empowers them to engage, explore, and achieve their maximum potential.
- 6] Public education is the best venue to cultivate leadership, citizenship, and strength of character, thus helping students become productive members of society.

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GRADING SYSTEM

The grading system used at New Boston High School is listed below:

Academic Grades

90 - 100%	A
80 - 89%	B
70 - 79%	C
50 - 69%	F

Grade Reports

Grade reports are distributed every nine weeks and at the end of each semester. In addition, all students receive progress reports every three weeks. Students should talk with their parents or guardians about their work relative to each report. Parents or guardians should sign and return the progress reports the next school day. Parental signatures on grade reports do not indicate approval, merely awareness.

Parents or guardians should observe on each report whether the teacher is requesting a parent/teacher conference. Each teacher has a daily conference period when he or she can best arrange to meet with parents. If a conference is requested, call the school to schedule an appointment time.

Computer Grade Check

Parents and students may now access certain student information on-line by using the Skyward website. Student schedule, grade, attendance, and demographic information are available for viewing on-line with a login and password to the secured site. Skyward is available for all students, grades 1-12. Parents with more than one child in our schools may request a multi-user login that will allow you to access all your children's grades from a single login. For information on how to obtain a login and password to access one or more of your child's information and instructions on how to use the site, contact the district's technology director at twilliams@nbschools.net.

Remediation

Students who fail one or both semesters of a state required graduation course should remediate the failed portion during the following summer in summer school if the two semester grades do not average to 70. If the course is not completed in summer school, and the first semester and second semester grades do not average to 70, the student will be required to remediate the semester or semesters failed during the next school year.

ACADEMIC ACHIEVEMENT RECORD (TRANSCRIPT)

The Academic Achievement Record (transcript) is a copy of a student's entire high school record. All colleges and universities require seniors to send transcripts of their high school work to their registrars upon applying. New Boston High School furnishes each student three copies of their transcript upon graduation free of charge. No transcript of credits shall be issued to any student who has not paid all of his/her financial obligations to New Boston High School.

GRADE POINT AVERAGE (GPA)

The following **Weighted Numeric Grading System** is applied to the curricular areas which make up the student's grade point average (GPA), which is used for class rank **only**. All subjects are included except Physical Education, Athletics, Band, and local credit courses.

<u>GRADE</u>	<u>REGULAR</u>	-	<u>PRE-AP/DUALCREDIT</u>	<u>AP</u>
100	4.0		5.0	6.0
99	3.9		4.9	5.9
98	3.8		4.8	5.8
97	3.7		4.7	5.7
96	3.6		4.6	5.6
95	3.5		4.5	5.5
94	3.4		4.4	5.4
93	3.3		4.3	5.3
92	3.2		4.2	5.2
91	3.1		4.1	5.1
90	3.0		4.0	5.0
89	2.9		3.9	4.9
88	2.8		3.8	4.8
87	2.7		3.7	4.7
86	2.6		3.6	4.6
85	2.5		3.5	4.5
84	2.4		3.4	4.4
83	2.3		3.3	4.3
82	2.2		3.2	4.2
81	2.1		3.1	4.1
80	2.0		3.0	4.0
79	1.9		2.9	3.9
78	1.8		2.8	3.8
77	1.7		2.7	3.7
76	1.6		2.6	3.6
75	1.5		2.5	3.5
74	1.4		2.4	3.4
73	1.3		2.3	3.3
72	1.2		2.2	3.2
71	1.1		2.1	3.1
70	1.0		2.0	3.0

The following **Unweighted Numeric Grading System** is applied to the curricular areas which make up the student's grade point average (GPA), which is used for reporting GPA to colleges, universities, perspective employers, etc. All subjects are included except Physical Education, Athletics, Band, and local credit courses.

<u>GRADE</u>	<u>POINTS</u>
90 - 100	4
80 - 89	3
75 - 79	2

CLASSIFICATION OF STUDENTS

All students are classified at the beginning of each school year as freshmen, sophomores, juniors, or seniors. The requirements for each are as follows:

Freshman	promoted from 8 th grade
Sophomore	six (6) credits
Junior	twelve (12) credits
Senior	eighteen (18) credits

REQUIREMENTS FOR GRADUATION

(STAAR EOC) State of Texas Assessments of Academic Readiness End-of-Course

All students will be required to pass all EOCs (Algebra 1, Biology, English 1, English 2, and US History) in order to receive a high school diploma.

ACADEMIC REQUIREMENTS

Graduates of each Texas high school are awarded the same type of diploma. Seals are placed on the Academic Achievement Record (AAR-transcript) designating the Minimum High School Program, the Recommended High School Program, the Distinguished Achievement Program or the Foundation High School Program with Endorsement. The AAR also cites individual courses attempted and completed; the numeric grades earned; the credits awarded for each course of study each academic year; the final accumulated grade point average and scale; rank and number in graduating class; and EOC results. Space is provided to note the level of each course attempted, standardized test results, and other pertinent information.

RECOMMENDED HIGH SCHOOL PROGRAM

<u>ACADEMIC CORE COMPONENTS</u>	<u>Credits</u>
<u>English Language Arts</u> English 1, English 2, English 3, English 4	4
<u>Mathematics</u> Algebra 1, Geometry, Algebra 2, plus one additional course	4
<u>Science</u> Integrated Physics and Chemistry, Biology, Chemistry, Physics	4
<u>Social Studies</u> World Geography, World History, US History, Government, Economics	4
<u>Languages other than English</u> Two years of the same LOTE	2
<u>Physical Education</u> One year of Athletics, one year of Physical Education, or two years of Band	1
<u>Fine Arts</u> Art, Theatre Art, or two years of Band	1
<u>Speech</u> Professional Communication	.5
<u>Career and Technical Electives</u>	1.5
<u>Elective Credits</u>	4.0
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DISTINGUISHED ACHIEVEMENT PROGRAM

<u>ACADEMIC CORE COMPONENTS</u>	<u>Credits</u>
<u>English Language Arts</u> English 1, English 2, English 3, English 4 or English 4 Dual Credit	4
<u>Mathematics</u> Four credits of the following: Algebra 1 AB or Algebra 1, Geometry AB or Geometry or Advanced Geometry, Mathematical Models, Algebra 2 AB or Algebra 2 or Advanced Algebra 2, Pre-Calculus, Pre-Calculus Dual Credit; College Algebra, Calculus	4
<u>Science</u> Four credits of the following: Biology 1 or Advanced Biology, Chemistry or Advanced Chemistry, Physics, Anatomy & Physiology, Chemistry Dual Credit, Biology Dual Credit	4
<u>Social Studies</u> World Geography, World History or Advanced World History, US History or US History Dual Credit, US Government or Advanced US Government, Economics-Free Enterprise or Advanced Economics-Free-Enterprise	4
<u>Foreign Language</u> Three credits in the same language	3
<u>Physical Education</u> One and one-half credits of the following: PE, Athletics, Band (fall semester only)	1
<u>Fine Arts</u> One credit of the following: Theatre Arts, Art, Band, Principles & Elements of Floral Design	1
<u>Speech</u> One-half credit of the following: Professional Communications	.5
<u>Career and Technical</u>	1.5
<u>Elective Credits</u>	3.5
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*In addition to the above criteria, four advanced measures are required. A description of the advanced measures follows.

DISTINGUISHED ACHIEVEMENT PROGRAM

PURPOSE OF THE DISTINGUISHED ACHIEVEMENT PROGRAM

The Distinguished Achievement Program recognizes students who demonstrate levels of performance equivalent to college students or work done by professionals in the arts, sciences, business, industry, or in community service.

STANDARDS FOR APPROVAL OF REQUIREMENTS

Advanced measures focus on demonstrated student performance at the college or professional level.

Student performance is assessed through an external review process.

REQUIREMENTS OF THE DISTINGUISHED ACHIEVEMENT PROGRAM

Students must complete the state requirements for the Distinguished Achievement Program **AND** receive any combination of four of the following measures:

***Original research/project:**

- judged by a panel of professionals in the field that is the focus of the project; or
- conducted under the direction of mentor(s) and reported to an appropriate audience; and
- related to the required curriculum set forth in 19 TAC 74.1 (relating to Essential Knowledge and Skills).

Original research/projects may not be used for more than two of the four advanced measures.

***Test date:**

- a score of three or above on The College Board Advanced Placement examination;
- a score of four or above on an International Baccalaureate examination;
- a score on the Preliminary Scholastic Assessment Test (PSAT) that qualifies a student for recognition as a Commended Scholar or higher by the National Merit Scholarship Corporation; as part of the National Hispanic Scholar Program of The College Board; or as part of the National Achievement Scholarship Program for Outstanding Negro Students of the National Merit Scholarship Corporation. The PSAT score may count as only one advanced measure regardless of the number of honors received by the student.

***College courses:**

- a grade of 3.0 or higher on courses that count for college credit, including tech prep programs.

FOUNDATION HIGH SCHOOL PROGRAM WITH ENDORSEMENT

<u>ACADEMIC CORE COMPONENTS</u>	<u>Credits</u>
<u>English Language Arts</u> English 1, English 2, English 3, plus 4 th level of English	4
<u>Mathematics</u> Algebra I, Geometry, plus one advanced math	3
<u>Science</u> Biology plus Integrated Physics and Chemistry or Chemistry, plus one Additional advanced science	3
<u>Social Studies</u> World Geography, World History, US History, Government, Economics	4
<u>Languages Other Than English</u> Two credits in the same language	2
<u>Physical Education</u> Physical Education, Athletics, or Band	1
<u>Fine Arts</u> Theatre Arts, Art, Band, or Principles & Elements of Floral Design	1
<u>Career and Technical Electives</u>	1.5
<u>Elective Credits</u>	2.5
<u>Endorsement Credits</u> One additional credit in Mathematics One additional credit in Science Two elective credits specific to the endorsement area	4
	<hr style="width: 100%; border: 0.5px solid black;"/> 26

*The following endorsements are available: STEM, Business and Industry, Arts and Humanities
 Public Services and Multi-Disciplinary Studies

Degree Plan Requirements For Students Entering Grade 9 in 2014-2015
[including current 8th, 9th, and 10th grade students]

To receive a high school diploma, a student entering Grade 9 in the 2014-15 school year and thereafter must complete the following:

1) Requirements of the Foundation High School Program

2) State testing requirements

Students must pass the following EOC assessments:

English I EOC

English 2 EOC

Algebra I EOC

Biology EOC

US History EOC

3) Demonstrated proficiency, as determined by the district in which the student is enrolled, at delivering clear verbal messages; choosing effective non-verbal behaviors; listening for desired results; applying valid critical thinking and problem-solving processes; identifying, analyzing, developing and evaluating communication skills needed for professional and social success in interpersonal situations, group interactions, and personal and profession presentations.

In addition, 9th grade students must enroll in courses required for the foundation program and an endorsement area. The option of graduating under the foundation with no endorsement may occur only AFTER the student's tenth grade year, and specific procedures must be followed to waive the endorsement requirement. For more information, contact Tonya Briggs or Jana Duffer.

MAKING A CAREER CONNECTION

How do students choose an endorsement area?

Students will choose one of five endorsement, or broad areas of study, when they enter high school. The Career Connections program provides information that will assist students to choose this focus of study and begin preparation for a career while in high school.

May students change their endorsement area?

Yes. Students may change their endorsement choice at any time. High School offers such a wonderful opportunity for students to explore areas of interest and to find those courses that spark enthusiasm. The goal is always to help students focus on their strengths.

What if your student needs help?

Parents, counselors, advisors, principals, and area business leaders are here to assist students in this process. Student success is the mission of New Boston ISD, and our team is ready to assist in every way possible.

GET READY...GET SET...GO!

STEP 1:

Focus on yourself. Investigate your strengths, interests, and abilities. Discuss with your teachers, friends, and parents the things you like to do and the things where you excel.

STEP 2:

Review your academic record with your advisor or counselor and note your strengths. Your academic and elective choices should reflect your interests and your strengths.

STEP 3:

Talk to your parent – they know more than you think! Parents can help you focus on your strengths and interests. They can also direct you to other friends and relatives who can provide information on careers.

STEP 4:

Study the 16 career clusters. On you have focused on your interests and strengths, match those with a career cluster and related occupations. Choose your career cluster.

STEP 5:

Choose your endorsement area. The State of Texas provides five endorsement areas that may be earned while completing the requirements of the Foundation Graduation Program. NBHS requires

a minimum of 26 credits for graduation which includes the number of credits needed to earn an endorsement.

STEP 6:

New Boston High School offers multiple options in the endorsement areas. Review your four year plan and choose the options that best suits your interests and abilities.

STEP 7:

Once you have developed your four year plan, review your course options. Map out the courses you plan to take each year. Be sure to follow course sequences that will meet prerequisite requirements.

STEP 8:

Complete your course selections for the 2016-2017 school year based upon your four year plan of study.

ENDORSEMENTS AND CAREER CLUSTERS

ARTS AND HUMANITIES

Art
Band
Theatre
Languages other than English

BUSINESS AND INDUSTRY

Agriculture, Food, and Natural Resources
Architecture and Construction
Arts, A/V Technology and Communication
Business Management and Administration
Finance
Hospitality and Tourism
Information Technology
Manufacturing
Marketing, Sales, and Service
Transportation, Distribution, and Logistics

PUBLIC SERVICES

Education and Training
Government and Public Administration
Health Science
Human Services
Law, Public Safety, Corrections, and Security

STEM

Science, Technology, Engineering, and Mathematics

MULTIDISCIPLINARY

Advanced Placement
Dual Credit

NEW BOSTON ISD ENDORSEMENTS

Endorsements may be flexible with entry level course choices

ARTS AND HUMANITIES

- Art 1, Art 2, Art 3, Art 4
- Theatre Arts 1, Theatre Arts 2, Theatre Arts 3, Theatre Arts 4
- Band 1, Band 2, Band 3, Band 4
- Spanish 1, Spanish 2, Spanish 3, Spanish 4
- Spanish 1, Spanish 2, Computer Science I, Computer Science II

BUSINESS AND INDUSTRY

- Principles of Arts, A/V Technology, and Communication and Professional Communications or Business Information Management, A/V Production, Advanced A/V Production
- Principles of Hospitality and Tourism or Business Information Management or Food Science or Lifetime Nutrition and Wellness, Culinary Arts, Advanced Culinary Arts
- Debate 1, Debate 2, Debate 3
- Yearbook 1, Yearbook 2, Yearbook 3
- Principles of Business, Marketing, and Finance or Business Information Management or Professional Communications, Fashion Design, Advanced Fashion Design
- Principles of Business, Marketing, and Finance or Business Information Management, Accounting I, Accounting 2
- Principles of Arts, A/V Technology, and Communication or Business Information Management, Graphic Design, Advanced Graphic Design
- Principles of Ag, Food, and Natural Resources, Small Animal Management, Livestock Production, Equine Science, Vet Medical Applications
- Principles of Ag, Food, and Natural Resources, Ag Mechanics, Welding, Advanced Welding
- Principles of Ag, Food, and Natural Resources, Construction Maintenance, Construction Technology
- Principles of Ag, Food, and Natural Resources or Construction Management, Building Maintenance Technology, Advanced Building Maintenance Technology
- Principles of Ag, Food, and Natural Resources or Business Information Management, Diesel Technology I DC, Diesel Technology II DC
- Principles of Business, Marketing, and Finance or Business Information Management or Professional Communications or Fashion Marketing or Sports and Entertainment Marketing, Career Preparation I, Career Preparation 2

PUBLIC SERVICES

- Principles of Human Services or Child Development or Professional Communications, Family and Community Services, Child Guidance
- Principles of Human Services or Professional Communications, or Business Information Management, Cosmetology I, Cosmetology II
- Principles of Health Science and Medical Terminology, Health Science, Gerontology or Pharmacology
- Principles of Education and Training, Human Growth and Development, Instructional Practices in Education and Training
- Principles of Law, Public Safety, Corrections and Security, Courts and Criminal Procedures, Law Enforcement

STEM

- Three Additional Advanced Science courses
- Three Additional Advanced Math Course
- Combination of three Additional Advanced Math and Science

MULTIDISCIPLINARY

- Three additional Dual Credit courses
- Three additional AP courses

DISTINGUISHED LEVEL OF ACHIEVEMENT

Students may earn this distinction by completing the following:

- A total of four credits in math, including credit in Algebra II
- A total of four credits in science
- Completion of curriculum requirements for at least one endorsement

PERFORMANCE ACKNOWLEDGEMENTS

Students may earn performance acknowledgments in five different areas. A student may earn a performance acknowledgment on the student's diploma and transcript for outstanding performance by successfully completing one of the following:

- 1) Outstanding Performance in a Dual Credit Course
 - a) Successfully completing at least 12 hours of college academic courses with a grade of 3.0 or higher on a scale of 4.0 OR
 - b) Earning an associate degree while in high school Note: "College academic courses" include Texas core curriculum courses, advanced technical credit courses, and locally articulated courses.
- 2) Outstanding Performance in Bilingualism and Biliteracy
 - a) Completing all English Language Arts requirements and maintaining a minimum grade point average of the equivalent of 80 on a scale of 100 AND
 - b) satisfying one of the following:
 - Completing at least 3 credits in the same LOTE course with a minimum GPA of 80 OR
 - Demonstrating proficiency in the TEKS for Level IV or higher in a LOTE course with a minimum GPA of 80 OR
 - Completing at least 3 credits in foundation subject area courses in a language other than English with a minimum GPA of 80 OR
 - Scoring a "3" or higher on an AP examination for a language other than English course OR
 - Scoring a "4" or higher on an IB examination for a language other than English course OR
 - Performing on a national assessment of language proficiency in a language other than English of at least Intermediate High or its equivalent AND
 - c) Participating in and meeting the exit criteria for a bilingual or ESL program AND
 - d) Scoring at the Advanced High level on the TELPAS
- 3) Outstanding Performance on a College Board Advanced Placement or International Baccalaureate Examination
 - a) Earning a score of 3 or above on an AP examination OR
 - b) Earning a score of 4 or above on an IB examination
- 4) Outstanding Performance on a College Entrance Exam
 - a) Earning a score on the PSAT/NMSQT that qualifies the student for recognition as a commended scholar or higher OR
 - b) Achieving the college readiness benchmark score on at least two of the four subject tests on the ACT-PLAN examination OR
 - c) Earning a combined critical reading and math score of at least 1250 on the SAT OR
 - d) Earning a composite score on the ACT of 28 (excluding the writing subscore)
- 5) Outstanding Performance by Earning a Business or Industry Certification or License
 - a) Performing on an examination or series of examinations sufficient to obtain a nationally or internationally recognized business or industry certification OR
 - b) Performing on an examination sufficient to obtain a government-required credential to practice a profession

EARNING COLLEGE CREDIT IN HIGH SCHOOL

Credit Students at New Boston High School have the opportunity to earn college credit while in high school in a variety of ways:

- Advanced Placement Program
- Dual Credit Program

Advanced Placement and Dual Credit programs can be used in a variety of combinations based on student preferences to meet graduation requirements. Students are responsible for ensuring that the college that they are planning to attend will accept or will award credit for the college-level courses.

Students who participate in college-level courses will be expected to:

- Work independently
- Commit to reading, research, and hard work
- Demonstrate above average ability in oral and written expression
- Deal with sophisticated concepts maturely
- Think critically and creatively
- Respond positively to challenging situations
- Prioritize activities and set personal deadlines
- Manage study time and complete assignments
- Deal personally and directly with the instructor to discuss problems and questions

ADVANCED PLACEMENT PROGRAM

What is the Pre-AP Program?

Preparing and motivating middle school and high school students for AP classes and college-level work must begin before they reach eleventh or twelfth grade. The earlier students acquire analytical thinking and communication skills, the more likely they are to succeed in academically challenging courses such as AP. Therefore, NBHS offers a Pre-AP program beginning with grade 9. Although Pre-AP courses are not prerequisites for AP courses, they are highly recommended.

What background is needed for students to succeed in the Pre-AP Program?

Students must be dedicated to complete a more rigorous course of study. The keys to success are maturity, motivation, self-discipline, and academic preparation. In the Pre-AP program, students are encouraged to ask good questions, to acquire deep understandings, to apply comprehensive analytical techniques, and to construct good written and verbal arguments. NBHS encourages students to pursue a course of study in the area of Advanced Placement. Both students and parents are encouraged to consult with teachers, academic advisors, and principals if they need assistance with any concerns.

Generally, NBHS recommends that students and parents consider the following criteria for enrollment in a Pre-AP course:

- 1) the grade the student received in that subject area during the preceding year (preferably an average of "85" or above); and
- 2) the score the student received on the STAAR OR EOC

What is the Advanced Placement Program?

The Advanced Placement Program allows high school students the opportunity to enroll in a college-level course and to possibly earn college credit for that course while still in high school. Although the

program is administered by the College Board of New York, secondary schools have the flexibility to establish the curriculum, to select materials and resources, and to determine the instructional methods. Students may show mastery in these courses by taking the AP exams that are administered in May of each school year.

What are the advantages of taking an AP course?

Enrollment in an AP course may benefit students in several ways. The main advantage is in providing an academic background that will better prepare students for college. Successful completion of an AP exam can also earn Performance Acknowledgement. Of course, another benefit is the award of college credit during the high school years.

How is college credit awarded?

High School students must successfully complete the AP exam in order to receive college credit for the course. Tests are scored with grades from 1-5. The College Board then reports the scores to colleges with the following recommendations:

1--no recommendation

2--may be qualified

3--qualified

4--well-qualified

5--extremely qualified

Each college sets its own policy for the award of AP credit, determining which score is successful and how much college credit will be awarded. Generally, colleges accept a score of "3" with credit ranging from three to six semester college hours per test. Students should contact the college directly to find out about the AP policy for that institution.

What background is needed to succeed in an AP course?

The College Board offers the following recommendation to ensure success in the AP program: Students should have had practice in analyzing content, drawing comparisons, and reasoning through problems. They must be able to read perceptively and independently. Additionally, students will need to be proficient in writing clear, concise essays. Students who are not skilled in these areas must be even more highly motivated to make up deficiencies at the same time they are taking more rigorous courses. The earlier students prepare for AP or college courses by taking the most rigorous classes available, the more likely will be their success. The keys to success are motivation, self-discipline, and academic preparation.

What are the costs involved in taking a course?

Since the AP courses are a part of the NBHS curriculum, there is no charge for taking an AP course. A fee of \$91 is required by the College Board, however, if a student chooses to take the exam for a subject. Eligible students with financial need may receive reduced fees, depending on federal and state funding.

PRE-AP AND AP COURSES AVAILABLE

English I PAP
English 2 PAP
English Language and Composition AP
English Literature and Composition AP

Geometry PAP
Algebra 2 PAP
Pre-Calculus PAP
Calculus AP
Statistics AP
Computer Science AP

Biology PAP
Chemistry PAP
Chemistry AP

World Geography PAP
World History PAP
United States History AP
Government AP
Microeconomics AP

Music Theory AP

DUAL CREDIT PROGRAM

What is the Dual Credit Program?

The Dual Credit Program allows high school students the opportunity to enroll in college-level courses and to earn high school as well as college credit for the completed coursework. The program provides a continuum of learning from high school to college for those students who choose to pursue a post-secondary degree or certificate after high school graduation. This continuum will increase opportunities for students to progress through their programs of study at an accelerated pace.

What are the advantages of taking a dual credit course?

The Dual Credit Program allows students to shorten the time required to complete an undergraduate degree. It also eliminates the duplication of courses taken in high school and in college. The advanced curriculum provides a background for students that will sharpen their academic preparedness for college. At the same time, the program expands the options available for college-bound students.

How is credit awarded?

Credit may be given in a content area or as an elective to fulfill graduation requirements and to gain college credit. Credit for successfully completed college courses (a minimum of "C") will be earned in one-half or one-unit increments. The student will receive the actual numerical score, if such a score is awarded by the college instructor, or a numerical grade equivalency as follows: A - 95 B - 85 C - 75

How are dual credit courses transferred for college credit?

When choosing which courses to take as dual credit, the best option for students is to choose courses that fit into the core curriculum of the college or university offering the dual credit program. Courses that fulfill the core curriculum of a public college or university are guaranteed to transfer to any other public college or university in Texas by state law. For additional dual credit courses, students should contact the college or university that they plan to attend to determine how that institution will grant credit for the course.

What are the costs involved in taking a course?

Students pay some expenses associated with taking college courses. These costs may include tuition and fees and will be in accordance with the cost-per-hour charges assessed by the college.

DUAL CREDIT ELIGIBILITY REQUIREMENTS

Students enrolling in a dual credit course must meet the following entrance requirements:

- 1) completion of prerequisite courses,
- 2) a qualifying score on a specified assessment for college readiness, and
- 3) classification as a junior or senior in high school.

ASSESSMENT REQUIREMENTS FOR JUNIOR AND SENIOR HIGH SCHOOL STUDENTS

College entrance requirements are based on these three classifications of college courses:

1] Restricted

- TSI Reading – 351; Math – 350; Writing – 363 AND 4 on essay OR 5 on essay
- ACT 19 on each section with a composite score of 23
- SAT 500 on each section with a composite score of 1070
- PSAT/NMSQT* 50 on reading or math (relevant to the DC course taken) with a composite score of 107
- STAAR EOC* 4000 on English II or 4000 on Algebra I

*Note: The PSAT and STAAR EOC English II waivers are valid only until the student is in the 12th grade. At that point, the student's enrollment status will be re-evaluated through completed coursework or other test scores.

2] WECM

- TSI Reading – 351; Math – 350; Writing – 363 AND 4 on essay OR 5 on essay

3] Nonrestricted

- No test scores are required for junior and senior high school students. Students must have completed the prerequisite courses listed in the course descriptions of this guide.

DUAL CREDIT HOURS WHICH MAY BE APPLIED TO AN ASSOCIATES DEGREE OR TRANSFERRED TO FOUR – YEAR UNIVERSITIES

SUBJECT	SEMESTER HOURS	TEXARKANA COLLEGE COURSE	NEW BOSTON EQUIVALENT COURSE	HIGH SCHOOL CREDITS
Communications	6	ENGL 1301 [3]	English 4 DC [1 st]	1/2
		ENGL 1302 [3]	English 4 DC [2 nd]	1/2
Mathematics	3	MATH 1314 [3]	College Algebra DC [1 st]	1/2
	4	MATH 2412 [4]	Pre-Calculus DC [2 nd]	1/2
Life Science	8	BIOL 1408 [4]	Biology DC [1 st]	1/2
		BIOL 1409 [4]	Biology DC [2 nd]	1/2
Language, Philosophy and Culture	3	HIST 2321	World Civilizations DC	1/2
	8	SPAN 1411	Spanish 4 DC [1 st]	1/2
		SPAN 1412	Spanish 4 DC [2 nd]	1/2
American History	6	HIST 1301	US History DC [1 st]	1/2
		HIST 1302	US History [2 nd]	1/2
Government	6	GOVT 2305	Government DC	1/2
		GOVT 2306	Texas Government DC	1/2
Social and Behavioral Sciences	3	PSYCH 2301	Psychology DC	1/2
Component Area Option	3	BCIS 1305	Business Information Management DC	1/2
Total Credits Available	50			7.5

Certifications through Texarkana College:

- Cosmetology
- Culinary Arts
- Welding
- Diesel Technology
- Certified Nursing Assistant
- Pharmacology

EARLY ADMISSION

Students at New Boston High School may enroll in college courses during the summer before their junior or senior years or during the school year with the following guidelines:

1. Have written permission from the high school counselor or principal.
2. Have written permission from parents.
3. Have an overall "88" grade average as determined by the high school counselor.
***Exception to the grade average may be made for students who are enrolled in accelerated programs upon recommendation from the high school principal or counselor.**
4. ACT/SAT scores, EOC, or Texas Success Initiative [TSI] are required for ENGL 1301 and college-level math courses.
5. Complete a regular application for admission.
6. Present a transcript up through the most current applicable semester on or before registration.
7. Texas seniors must present proof of having passed all required EOC assessments.
8. Present a completed Early Admission Form and high school transcript at the time of advisement prior to registration.

Students must have taken TSI before taking any college courses or be exempt from TSI.

ALTERNATE METHODS OF EARNING CREDIT

NBHS students have the opportunity to earn credit beyond enrollment in the traditional classroom setting. Specific requirements must be met in using the following alternative methods for earning credit.

TEXAS VIRTUAL SCHOOL NETWORK (TXVSN)

The 80th Texas Legislature passed Senate Bill 1788, authorizing the Texas Education Agency to establish and administer a state virtual school network to provide education to students through electronic means. An electronic course is defined as a course in which instruction and content are delivered primarily over the Internet; a student and teacher are in different locations for a majority of the student's instructional period; most instructional activities take place in an online environment; the online instructional activities are integral to the academic program; extensive communication between a student and a teacher and among students is emphasized; and a student is not required to be located on the physical premises of a school district or open-enrollment charter school. The Texas Virtual School Network (TxVSN) provides opportunities and options for Texas students through online courses. Students who wish to enroll in a Texas Virtual School Network course must submit a written request to the principal on the campus in which they are enrolled and must receive approval prior to enrollment. Students will not be allowed to enroll in a TxVSN course if the course is a tested EOC course; however, students who have been approved for early graduation may apply for enrollment in English III. TxVSN courses are eligible for application. TxVSN courses are available only to enrolled high school students, and course costs must be assumed by the student. All TxVSN courses are unweighted.

CORRESPONDENCE COURSES

Students in grades 9-12 may earn a maximum of two units of credit by correspondence. Credit toward state or local graduation requirements may be granted for correspondence courses only under the following conditions:

- 1] Prior to enrolling in the correspondence course(s), a student must make a written request to the principal or designee for approval to enroll in a course.
- 2] Courses are offered through the University of Texas at Austin, Texas Tech University, or other public institutions of higher education as approved by the Commissioner of Education.
- 3] The correspondence course includes the state-required TEKS for such a course (19 TAC 74.23).
- 4] The student earns a grade of 70 or higher in the approved course.

CREDIT BY EXAMINATION WITHOUT PRIOR INSTRUCTION

NBHS students have the option of accelerating coursework without prior instruction and earning course credit by examination (CBE). Students must follow the district procedures and schedule for taking a CBE and must score "80" or above to receive credit. The district will offer four testing dates in the calendar year. Students may choose from one of these dates and must submit a written request to the campus principal. NBHS students must successfully complete the CBE in a specific course in order to earn credit for that course. Texas State Board of Education rules put a cap on the number of times a student may attempt to earn CBE for a course. Students who are unsuccessful may retest during one additional administration in the same school year; however, students will not be eligible to take a CBE for a particular course more than two times. If a student fails to earn credit before the beginning of the school year in which the student would be required to enroll in the course, then the student would need to complete the course instead of taking a CBE. Courses completed through CBEs are unweighted.

CREDIT BY EXAMINATION WITH PRIOR INSTRUCTION

NBHS students have the option of recovering credit after failing a course with a grade between "50" and "69." A student whose average is lower than "50" is not eligible for credit by examination. Students must follow the district procedures and schedule for taking a CBE and must score "70" or above to receive credit. The district will offer four testing dates in the calendar year. Students may choose from one of these dates and must submit a written request to the campus principal. If a student is awarded credit by examination, the score attained on the exam is recorded on the student's Academic Achievement Record. This score is unweighted for class rank.

SUMMER SCHOOL

The purpose of the NBHS Summer School Program is credit recovery. Courses taught during summer school are not eligible for acceleration or for first time enrollment. These courses supplement instruction in courses that students did not successfully complete during the regular school year. Summer school courses have a 3.0 course weight.

EARLY GRADUATION

Students who wish to graduate after completing three years of high school must submit a written request to the campus principal as early as possible, preferably no later than the end of the first semester of the 10th grade year. Approved students will have the opportunity to earn credit for English III through the successful completion of credit by examination (CBE) or the Texas Virtual School Network (TxVSN) course. Courses completed through CBE or TxVSN are unweighted.

“ON TIME” GRADUATION

Once a student enters high school, graduation generally occurs after a four-year course of study. Students who fail a course and do not recover credit for the course during the following summer session or through Credit by Examination will find it difficult to graduate within this timeframe. The principal may make an exception, allowing a student to enroll in summer school for acceleration, so that the student can graduate at the end of the fourth year in high school.

OPTIONS

Students may apply for admissions to the OPTIONS program administered through the Western Bowie County COOP program. Students may participate in NBHS activities while enrolled in this program. Students must have been successful in at least three EOC assessments to receive priority consideration. See Brian Williams, administrator for the OPTIONS program for more details.

HIGH SCHOOL COURSES TAKEN BEFORE HIGH SCHOOL ENROLLMENT

Middle School students may earn high school credit, including courses in the accelerated math programs. Students who wish to accelerate in math courses may enroll in these high school courses or may apply for credit by examination (CBE). Middle school students are not eligible for courses under the TxVSN. Courses taken before students enroll in high school are unweighted. If students have completed the prerequisite courses and are otherwise eligible to take a course on the high school campus, the parents must provide transportation.

RETAKE COURSES

Students who have successfully completed a course for state graduation credit may retake that course for local credit. This local credit course must be taken the year following the successful completion of the course. Any exceptions to the time limit must be authorized by a Student Intervention Team (SIT committee).

INDEPENDENT RESEARCH

The Independent Research course is an individualized study supervised by an instructor in a specific area as an extension of regular classroom curriculum. This course is designed for eleventh and twelfth grade students who are enrolled in a class which is not offered for Pre-AP or AP level credit. The student may complete the Independent Research course and receive AP weighting for that class. A student may complete two Independent Research studies per semester. The maximum Independent Research course weight allowed per course per semester is $\frac{1}{2}$ credit, even in a one credit per semester course. In the course, the student will complete the regular course curriculum but will also move beyond that course curriculum. The classroom teacher still controls the curriculum by designing the umbrella or parameters that the product choices support; however, the student will take an active role in determining the focus of the Interdisciplinary Studies course by choosing the field of study and by determining the methods of study. In Independent Research, the student becomes responsible for his or her own learning. The scope and complexity of the student's work will clearly demonstrate a level of performance beyond high school standards. During the semester of study, the student will complete three components:

- a portfolio, which serves as a record of the course;
- a product, which is a demonstration of what the student has learned during the semester of study;
- a presentation, during which the student stands in defense of the work before an academic committee.

To participate in Independent Research, students must follow specific procedures and timelines. Information may be obtained by contacting the principal, the classroom teacher, or the academic advisor.

PHYSICAL EDUCATION GRADUATION REQUIREMENT

Students are required to satisfy a one credit graduation requirement for physical education. Students may earn up to 4 full state credits in physical education. Students may satisfy the physical education graduation requirement in several ways:

- 1) By taking a physical education course
- 2) By taking a physical education equivalent approved by the principal
- 3) By taking a course which counts as a physical education waiver. For these courses, students do NOT receive PE credit on their transcripts. Their PE obligation is reduced one-half credit each time they complete a semester's work in the PE waiver activity. Students receive the regular academic credit on their academic achievement record for these physical education waiver courses: Band I, II, III, IV (1st semester only) ROTC Gifted/Talented Program Gifted students perform at or show the potential for performing at a remarkably high level of accomplishment when compared to others of the same age, experience, or environment. NBHS gifted students may receive services through Independent Research, as well as Pre-AP and AP courses.

SPECIAL EDUCATION

Special education and related services are a part of a free, appropriate public education designed to meet the unique needs of students with disabilities. The mission of special education in NBISD is to create a learning environment through a unified educational system which respects and values all students. The primary focus of NBISD special education programs is first and foremost the provision of services that will ensure each student's success. Special education students are those whose identified disabilities are so limiting as to require the provision of special services in addition to, or in place of, instruction in the regular classroom. Students with disabilities have equal access to compensatory, remedial, tutorial, and other appropriate programs available to students without disabilities. Students are identified and served by special education through the utilization of the child-centered process and are educated with their peers (as appropriate) who do not have disabilities. Special education provides all students with disabilities full educational opportunity through the utilization of a wide range of instructional arrangements and programs. Services are provided to students who are disabled beginning on their 3rd birthday and who have not reached their 22nd birthday by

September 1 of the current scholastic year. Students who are identified as having a visual or auditory impairment may begin services at birth. Instruction is designed to help the student most effectively develop those skills and concepts necessary for independent functioning. Emphasis is placed upon determining first the academic and affective strengths and deficits, then prescribing those learning activities which foster the development of those skills and concepts. Because students differ both in the preferred modality of learning and in levels of functioning, a variety of methods, materials, and techniques are utilized, with the Admission, Review, and Dismissal Committee determining which are most beneficial for the individual student's growth in mastery of skills and in acquisition of compensatory behaviors. Limited English Proficiency Students who have been identified as limited English proficient may participate in a special language program that is an integral part of the total school program. The program emphasizes the mastery of basic English language skills so that students will be able to participate effectively in the regular school program as soon as practical. Dyslexia Program The Dyslexia Program offers instruction in a small class setting that includes reading, writing, and spelling as appropriate. The major instructional strategies utilize individualized, intensive, and multisensory methods. The program emphasizes the mastery of basic English language skills so students will be able to participate effectively in the regular school program.

TEXTBOOKS

Textbooks are state-owned and are issued to students free of charge. Each student is responsible for paying for lost or damaged books.

TEXAS GRANT PROGRAM

The Texas Legislature has established the "Toward Excellence, Access, & Success (TEXAS)" Grant Program, which provides grants to cover tuition and fees to Texas public universities, community colleges and technical schools. Students must meet eligibility requirements, including financial need and successful completion of the recommended, distinguished, or foundation high school graduation programs. For additional information concerning the eligibility requirements, students should consult their academic advisor.

AUTOMATIC ADMISSION TO TEXAS PUBLIC UNIVERSITIES

Under the Automatic Admission policy (Texas Education Code §51.803), Texas students may be eligible for automatic admission to a state college or university as an undergraduate student if they meet certain criteria. To qualify for automatic admission, a student must:

- 1) earn a grade point average in the top 10 percent* of his/her high school graduating class,
- 2) graduate from a Texas public or private high school (or, if the student is a Texas resident, from a high school operated by the U.S. Department of Defense),
- 3) successfully complete the requirements for the Recommended High School Program (RHSP), the Distinguished Achievement Program (DAP) (or the equivalent if enrolled in private school), or the Foundation Graduation Program with Endorsement, or satisfy ACT's College Readiness Benchmarks on the ACT college entrance exam or earn a score of at least 1,500 out of 2,400 on the SAT college entrance exam, and
- 4) apply for admission to a state college or university within the first two school years after graduation from high school.

Students who meet the criteria for automatic admission must submit an application before the deadline set by the college or university to which they are applying. Students must also provide a high school transcript or diploma that indicates whether they have satisfied or are on schedule to satisfy the requirements of the RHSP, DAP, or Foundation with Endorsement Graduation Program. This automatic admission program has been modified by the 81st Legislature for admission to The University of Texas at Austin (UT). Under the new law, the University is to admit automatically enough students to fill 75% of available spaces set aside for Texas residents in an entering freshman class. Using data from recent years, the University has determined that automatically admitting students in the top 8% of their high school graduating class to the 2016 entering freshman class will fill 75% of available spaces. As a result, the University will automatically admit all eligible 2016 summer/fall freshman applicants who rank within the top 8% of their high school graduating classes, with remaining spaces to be filled through holistic review. Students and parents should contact the Academic Advisor for further information about the application process and deadlines.

COURSE DESCRIPTIONS

ENGLISH LANGUAGE ARTS

ENGLISH 1

Grade: 9-12

Credit: 1

Prerequisite: None

Students enrolled in English I continue to increase and refine their communication skills. High school students are expected to plan, draft, and complete written compositions on a regular basis. Students edit their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English and produce final, error-free drafts. In English I, students practice all forms of writing. An emphasis is placed on organizing logical arguments with clearly expressed related definitions, theses, and evidence. Students write to persuade and to report and describe. English I students read extensively in multiple genres from world literature such as reading selected stories, dramas, novels, and poetry originally written in English or translated to English from oriental, classical Greek, European, African, South American, and North American cultures. Students learn literary forms and terms associated with selections being read.

ENGLISH 1 Pre-AP

Grade: 9

Credit: 1

Prerequisite: Summer reading

Designed for students who value high academic achievement, this course gives students an opportunity to explore several facets of communication beyond those planned for regular classes. The course emphasizes the research of specific time periods in history and a thorough study of paragraph development for both creative and expository writing. Students are required to read extensively. Materials in Pre-AP classes have a wider scope and greater depth than those in the regular course.

ENGLISH 2

Grade: 10-12

Credit: 1

Prerequisite: English 1

Students enrolled in English II continue to increase and refine their communication skills. High school students are expected to plan, draft, and complete written compositions on a regular basis. Students edit their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English and produce final, error-free drafts. In English II, students practice all forms of writing. An emphasis is placed on persuasive forms of writing such as logical arguments, expressions of opinion, and personal forms of writing. These personal forms of writing may include a response to literature, a reflective essay, or an autobiographical narrative. English II students read extensively in multiple genres from world literature such as reading selected stories, dramas, novels, and poetry originally written in English or translated to English from oriental, classical Greek, European, African, South American, and North American cultures. Students learn literary forms and terms associated with selections being read.

ENGLISH 2 Pre-AP

Grade: 10

Credit: 1

Prerequisite: English 1; Summer reading

This course is designed for students who value high academic achievement beyond those planned for regular classes. They are expected to realize the value of reading and comprehending, as well as the value of written communication. Both oral and written communication is emphasized along with a wide range of readings from the classics.

ENGLISH 3

Grade: 11-12

Credit: 1

Prerequisite: English 2

Students enrolled in English III continue to increase and refine their communication skills. High school students are expected to plan, draft, and complete written compositions on a regular basis. Students edit their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English and produce final, error-free drafts. In English III, students practice all forms of writing. An emphasis is placed on business forms of writing such as the report, the business memo, the narrative of a procedure, the summary or abstract, and the résumé. English III students read extensively in multiple genres from American literature and other world literature. Periods from American literature may include the pre-colonial period, colonial and revolutionary periods, romanticism and idealism, realism and naturalism, early 20th century, and late 20th century. Students learn literary forms and terms associated with selections being read. Students interpret the possible influences of the historical context on a literary work.

ENGLISH 3 LANGUAGE AND COMPOSITION ADVANCED PLACEMENT [AP]

Grade: 11

Credit: 1

Prerequisite: English 2; Summer reading

This course prepares students for the English Language and Composition Advanced Placement examination by engaging students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing.

ENGLISH 4

Grade: 12

Credit: 1

Prerequisite: English 3

Students enrolled in English IV continue to increase and refine their communication skills. High school students are expected to plan, draft, and complete written compositions on a regular basis. Students edit their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English and produce final, error-free drafts. In English IV, students are expected to write in a variety of forms, including business, personal, literary, and persuasive texts. English IV students read extensively in multiple genres from British literature and other world literature. Periods from British literature may include the old English period, medieval period, English renaissance, 17th century, 18th century, romantic period, Victorian period, and modern and post-modern period. Students learn literary forms and terms associated with selections being read. Students interpret the possible influences of the historical context on a literary work.

ENGLISH 4 DUAL CREDIT

Grade: 12

Credit: 1

Prerequisite: English 3/Payment of College Tuition/Passed Reading and Writing TSI or TSI Exempt; Summer reading

English 4 DC is designed for the exceptional, highly self-motivated college-bound student. The course of study concentrates on British literature in its chronological development but is supplemented by selections from other European authors. Much emphasis is placed on writing about literature by analyzing the themes and stylistic devices of selected works by a diversity of authors. Extensive outside reading is required. The following selections may be used in the curriculum for literature: Sir Gawain and the Green Knight, Canterbury Tales, Hamlet, MacBeth, Pride and Prejudice, Gulliver's Travels, Tess of the D'Urbervilles, Jane Eyre, Brave New World, 1984, Beowulf, The Hobbit, and The Importance of Being Earnest. In addition to the senior level work, students are required to complete Freshman English 1301 and 1302.

ENGLISH 4 LITERATURE AND COMPOSITION ADVANCED PLACEMENT [AP]

Grade: 12

Credit: 1

Prerequisite: English 3; ; Recommended English 3 AP; Summer reading

This course prepares students for the English Language and Composition Advanced Placement examination by engaging students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing.

ISM: COLLEGE PREPARATORY ENGLISH

Grades: 12

Credit: 1

Prerequisite: Successful completion of English I EOC and English 2 EOC

College Preparatory English exists to remediate deficiencies in order that students may excel in their chosen careers. College Prep courses are designed to prepare students for college-level academic course work. The recommendation to enroll in College Prep courses is made on the basis of diagnostic testing. Although these courses do not satisfy any college degree requirement, they are designed to assure reasonable student success in the college curriculum. Note: Upon successful completion of this course, a student will qualify for the TSI exemption for the reading and writing test scores required for enrollment in college level courses.

PRACTICAL WRITING SKILLS

Grades: 10-12

Credit: 1

Prerequisite: English I

The study of writing allows high school students to develop skills necessary to composing business letters and requests for information, as well as for completing job applications and résumés. This course emphasizes skill in the use of conventions and mechanics of written English, the appropriate and effective application of English grammar, and the effective use of vocabulary. Students are expected to understand the recursive nature of the writing process. Evaluation of students' own writing as well as the writing of others insures that students completing this course are able to analyze and evaluate their writing. Focus will also be placed on expository and persuasive writing.

CREATIVE AND IMAGINATIVE WRITING

Grades: 11-12

Credit: 1

Prerequisite: English I

In this course, students will study creative and imaginative writing while developing versatility as a writer. They will be asked to demonstrate their skill in such forms of writing as essays, short stories, poetry, and drama. The students will evaluate and edit their own writing as well as the works of others. Focus will also be placed on expository and persuasive writing.

COLLEGE PREPARATORY SKILLS

Grades: 10-12

Credit: ½

Prerequisite: none

In this course, students will study creative and imaginative writing while developing versatility as a writer. They will be asked to demonstrate their skill in such forms of writing as essays, short stories, poetry, and drama. The students will evaluate and edit their own writing as well as the works of others. Focus will also be placed on expository and persuasive writing.

READING I, II, III, IV

Grades: 9-12

Credit: ½ - 1

Prerequisite: Reading I – none; Reading II – Reading I; Reading III – Reading II; Reading IV – Reading III

These courses offer students instruction in word recognition and comprehension strategies and vocabulary to ensure that high school students have an opportunity to read with competence, confidence, and understanding. Students are given opportunities to locate information in varied sources, to read critically, to evaluate sources, and to draw supportable conclusions. Students learn how various texts are organized and how authors choose language for effect. All of the strategies are applied in texts that cross the subject fields.

PROFESSIONAL COMMUNICATIONS

Grades: 9-12

Credit: ½

Prerequisite: None

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research.

DEBATE 1, 2, 3

Grade: 9 – 12

Credit: 1/Year

Prerequisite: Communication Applications

Analyze issues and develop constructive argumentation skills; sharpen communication and critical thinking; increase problem-solving, organizational and listening skills. Compete in UIL Academic contest.

INDEPENDENT STUDY IN SPEECH: DEBATE 4

Grade: 12

Credit: 1

Students who have mastered concepts and developed skills in introductory courses will extend their knowledge and expand their skills in this advanced study. This course provides opportunities for students to plan, organize, produce, perform, and evaluate a project that enables them to develop advanced skills in communication, critical thinking, and problem solving.

YEARBOOK 1, 2, 3, 4

Grade: 9 - 12

Credit: 1

Prerequisite: Teacher approval

Prerequisite: Yearbook production is a course in journalism for students who have previous training and/or have been approved by the advisor. Students must be proficient in word processing. Yearbook is primarily an advanced desktop publishing class using the In Design CS program. Students will be provided the basic information needed to plan, design, and produce a successful yearbook. Curriculum consists of theme development, basic layout, copywriting, headline and caption writing, body copy writing/preparation, proofreading and editing, photography, cropping, copy fitting, and the role of photography, advertising and sales. Students learn to work together as a team and make group decisions while working within a budget.

MATHEMATICS

ALGEBRA 1

Grade: 9-12

Credit: 1

Prerequisite: Grade Level Achievement in Math

In Algebra 1 students learn to work with real numbers in all types of mathematical situations such as solving equations and inequalities. Learning to solve linear equations, systems of linear equations and functions are an integral part of this course. Students also realize the difference between rational and irrational numbers and how to work with them. Algebra 1 is a course to help students organize material to solve every day mathematical situations. It also prepares them for future high school math courses and college mathematics courses.

GEOMETRY

Grade: 9-12

Credit: 1

Prerequisite: Algebra 1

Geometry is a course of theory and application. The students learn that deductive and inductive reasoning are an essential part of problem solving. They also learn that being able to prove an answer true is a necessary part of mathematics. Other areas covered in this course include polygons, circles, areas of plane figures, areas and volumes of solids, and coordinate geometry. These areas help students realize there is more to mathematics than just the four basic operations. Students must be able to use reasoning to answer mathematical questions.

GEOMETRY Pre-AP

Grade: 9-10

Credit: 1

Prerequisite: Algebra 1

Geometry Pre-AP covers the same basic concepts as regular geometry. The students are encouraged in the class activities to arrive at the proofs for the theorems and corollaries. Logical reasoning is emphasized in the formal proof. The concepts of space geometry and plane geometry are integrated throughout the year. Higher-level thinking skills are encouraged by the use of projects in the form of reports, posters, and models.

MATHEMATICAL MODELS WITH APPLICATIONS

Grade: 10-12

Credit: 1

Prerequisite: Geometry

In Mathematical Models with Applications, students continue to build on the K-8 and Algebra I foundations as they expand their understanding through other mathematical experiences. Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, to model information, and to solve problems from various disciplines. Students use mathematical methods to model and solve real-life applied problems involving money, data, chance, patterns, music, design, and science. Students use mathematical models from algebra, geometry, probability, and statistics and connections among these to solve problems from a wide variety of advanced applications in both mathematical and nonmathematical situations. Students use a variety of representations (concrete, pictorial, numerical, symbolic, graphical, and verbal), tools, and technology (including, but not limited to, calculators with graphing capabilities, data collection devices, and computers) to link modeling techniques and purely mathematical concepts and to solve applied problems.

ALGEBRA 2

Grade: 10-12

Credit: 1

Prerequisite: Geometry

Essentials of Algebra are presented which include operations with real and complex numbers. Polynomials, rational expressions, and higher degree polynomial functions are taught. Other topics included in the course are exponential and quadratic functions and graphing of these functions. Properties of points and planes and the concepts relating to conic sections are presented. The use of matrices and determinants are developed to help solve problem situations.

ALGEBRA 2 Pre-AP

Grade: 10-12

Credit: 1

Prerequisite: Geometry

Algebra 2 Pre-AP covers the same basic concepts as regular Algebra 2, but at a much faster pace. The students learn to use operations with the real number system. Functions are taught, including the exponential and quadratic functions. Graphing of these functions is also presented. In addition to the basic concepts of Algebra 2, the Algebra 2 Honors class learns additional concepts through problem solving. Students develop skills to solve problems that require higher level thinking processes.

ALGEBRAIC REASONING

Grade: 11-12

Credit: 1

Prerequisite: Geometry

In Algebraic Reasoning, students will build on the knowledge and skills for mathematics in Pre-Algebra and Algebra I, continue with the development of mathematical reasoning related to algebraic understandings and processes, and deepen a foundation for studies in subsequent mathematic courses. Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. Students will study these functions through analysis and application that includes explorations of pattern and structure, number and algebraic methods, and modeling from data using tools that build to workforce and college readiness such as probes, measurement tools, and software tools, including spreadsheets.

COLLEGE ALGEBRA DUAL CREDIT

Grades: 11-12

Credit: 1

Prerequisite: Algebra 2, Passed Math TSI or TSI exempt, Payment of College tuition

Topics include graphs, functions and their inverses; data analysis and modeling; polynomial and rational functions, roots of polynomial equations, exponential and logarithmic functions; linear and non-linear systems of equations and inequalities, determinants, matrices, binomial theorem, sequences and series, permutations and combinations.

ISM: COLLEGE PREPARATORY MATH

Grades: 12

Credit: 1

Prerequisite: Algebra 1, Passed Algebra I EOC

Topics include graphs, functions and their inverses; data analysis and modeling; polynomial and rational functions, roots of polynomial equations, exponential and logarithmic functions; linear and non-linear systems of equations and inequalities, determinants, matrices, binomial theorem, sequences and series, permutations and combinations.

PRE-CALCULUS Pre-AP

Grade: 11-12

Credit: 1

Prerequisite: Geometry and Algebra 2

Pre-Calculus Pre-AP contains the required content of Pre-Calculus and gives students a more in-depth exploration of mathematics using multiple representations, applications and modeling, justification and proof, and computation in problem-solving contexts. Students are expected to have a good working knowledge of a graphics calculator.

PRE-CALCULUS DUAL CREDIT

Grade: 11-12

Credit: $\frac{1}{2}$ semester

Prerequisite: Geometry and Algebra 2, Payment of College Tuition, Passed Math TSI or TSI exempt

This course provides the opportunity for students to receive both high school and college credit at the same time. Students who enter this course must meet the enrollment criteria of Texarkana College and must pay their tuition at TC for four hours of college credit. Grades will be recorded both at Texas High School and at Texarkana College and will appear on each institution's transcript. Pre-Calculus DC contains the required content of Pre-Calculus and gives students a more in-depth exploration of mathematics using multiple representations, applications and modeling, justification and proof, and computation in problem-solving contexts. Students are expected to have a good working knowledge of a graphics calculator. Students will earn college credit for College Algebra and Trigonometry.

CALCULUS ADVANCED PLACEMENT [AP]

Grade: 12

Credit: 1

Prerequisite: Pre-Calculus PAP

Calculus AP is an advanced placement course in mathematics consisting of a full academic year of work in calculus as prescribed by the College Board Advanced Placement Program. It expands on the concepts developed and built upon in Pre-Calculus. This course uses both theory and application to present the topics of Calculus. The limit of a function is presented using both geometric interpretations and theorems. Students use differential Calculus to calculate derivatives and learn techniques that apply these rules to find maximal and minima points and velocity of acceleration. Different techniques of integration will be learned and applied to calculate the area under a curve, the area between two curves, and the volume of three-dimensional solids formed by revolving the region of a curve about a line. Special functions, such as trigonometric, natural logarithmic and exponential functions, are used in both differentiation and integration. High school Calculus plus College Calculus concepts.

COMPUTER SCIENCE A ADVANCED PLACEMENT [AP]

Grade: 11-12

Credit: 1

Prerequisite: Algebra 2

The Advanced Placement Computer Science A course is an introductory course in computer science. Because the design and implementation of computer programs to solve problems involve skills that are fundamental to the study of computer science, a large part of the course is built around the development of computer programs that correctly solve a given problem. These programs should be understandable, adaptable, and, when appropriate, reusable. At the same time, the design and implementation of computer programs is used as a context for introducing other important aspects of computer science, including the development and analysis of algorithms, the development and use of fundamental data structures, the study of standard algorithms and typical applications, and the use of logic and formal methods. In addition, the responsible use of these systems is an integral part of the course.

STATISTICS ADVANCED PLACEMENT [AP]

Grade: 11-12

Credit: 1

Prerequisite: Geometry and Algebra 2

Statistics AP provides students the opportunity to meet the content requirements for Advanced Placement Statistics as prescribed in the College Board Advanced Placement Program. Students are expected to have a good working knowledge of a graphics calculator.

SCIENCE

INTEGRATED PHYSICS AND CHEMISTRY

Grade: 9-12

Credit: 1

Prerequisite: None

IPC integrates the disciplines of physics and chemistry in the following topics: motion, waves, energy transformations, properties of matter, changes in matter, and solution chemistry. Students use mathematical formulas to calculate work, momentum, acceleration, density, and speed. Students use the Periodic Table as a tool to predict patterns in chemical bonding and balance simple chemical equations. They become familiar with factors that affect the rate of solution. Students understand the movement of heat energy through materials, and know the concept of specific heat. They understand the characteristics of waves and identify the relationships between wavelength, frequency, and amplitude.

BIOLOGY 1

Grade: 9-12

Credit: 1

Prerequisite: None

Students study a variety of topics that include: structures and functions of cells and viruses; growth and development of organisms; cells, tissues, and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; ecosystems; and plants and the environment. Students learn how nucleic acids are involved in the formation of an organism and the inheritance of traits. Students learn to use Punnett squares and probability to find possible genotypes and phenotypes. Students understand the relationship between ecology, evolution and genetic principles. They understand differences between bacteria and viruses. Food webs and the cycling of nutrients in ecosystems are learned as well as the significance of structures and adaptations of both animals and plants.

BIOLOGY Pre-AP

Grade: 9-12

Credit: 1

Prerequisite: None

Designed for students who value high academic achievement, this course gives students an opportunity to explore several facets of Biology beyond those planned for regular classes. Biology Pre-AP is a survey of biological principles with a first semester emphasis on structure and function of cells and the principles of heredity. The second semester begins with a survey of microscopic life forms and progresses into human biology with all major organ systems covered.

CHEMISTRY 1

Grade: 10-12

Credit: 1

Prerequisite: Biology

Students will investigate how chemistry is an integral part of our daily lives. By studying a variety of topics that include: characteristics of matter; energy transformations during physical and chemical changes; atomic structure; the periodic table of elements; behavior of gases; bonding; nuclear fusion and nuclear fission; oxidation-reduction reactions; chemical equations; solutes; properties of solutions; acids and bases; and chemical reactions.

CHEMISTRY 1 Pre-AP

Grade: 10-12

Credit: 1

Prerequisite: Biology.

Chemistry 1 Pre-AP is the study of matter and the changes matter undergoes. The course is designed to help students see how chemical principles and concepts are developed from experimental observations and data and how these principles can be used to explain phenomena that they encounter in daily activities. Laboratory work is used to give the students experience with the methods and logic of chemistry. Independent projects are also included.

ANATOMY AND PHYSIOLOGY OF HUMAN SYSTEMS

Grade: 11-12

Credit: 1

Prerequisite: Biology, Chemistry

In the Anatomy and Physiology of Human Systems course students conduct in-depth investigations of anatomy and physiology of human systems including circulatory, nervous, endocrine, and respiratory systems. They learn environmental factors that affect the body and how the body maintains homeostasis.

PHYSICS Pre-AP

Grade: 12

Credit: 1

Prerequisite: Chemistry; Algebra 2

The Physics course provides students with conceptual frameworks, factual knowledge, and analytical and scientific skills. Students study a variety of topics that include laws of motion; changes within physical systems and conservation of energy and momentum; forces; thermodynamics; characteristics and behavior of waves; and quantum physics.

SCIENTIFIC RESEARCH AND DESIGN: BIOLOGY 2 DUAL CREDIT

Grade: 11-12

Credit: 1

Prerequisite: Biology, Chemistry, Payment of College tuition, Passed TSI or TSI exempt

BIOL 1408 Principles of Biology I Credit: 4 hours (college) BIOL 1409 Principles of Biology II Credit: 4 hours (college). First semester consist of an integrated approach to cell and molecular biology with an emphasis on biological chemistry, cell structure and function, genetics, and evolutionary biology. Second semester will consist of an integrated survey of living organisms with an emphasis on ecology and the anatomical and physiological aspects of organism diversity, nutrition, circulation, gas exchange, and reproduction.

CHEMISTRY 2 ADVANCED PLACEMENT [AP]

Grade: 11-12

Credit: 1

Prerequisite: Chemistry I, Algebra 2

Students in this course will attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. The course will contribute to the development of the students' abilities to think clearly and to express their ideas, orally and in writing, with clarity and logic. Emphasis will be placed on chemical calculations and the mathematical formulation of principles. Topics such as the structure of matter, the kinetic theory of gases, chemical equilibria, chemical kinetics, and the basic concepts of thermodynamics will be presented in considerable depth. The course has a strong problem-solving orientation and includes associated laboratory experimentation. Students will design and/or conduct advanced experiments and research.

ADVANCED ANIMAL SCIENCE

Grade: 12

Credit: 1

Prerequisite: A minimum of one credit from the courses in the Agriculture, Food and Natural Resources

To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. Scientific inquiry, science and social ethics and science models will also be discussed.

ASTRONOMY

Grade: 11-12

Credit: 1

Prerequisite: Biology and IPC or Chemistry

In Astronomy, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem-solving. Students study the following topics: information about the universe; scientific theories of the evolution of the universe, characteristics and the life cycle of 173 stars; exploration of the universe; role of the Sun in our solar system; planets; and the orientation and placement of the Earth. Night sky-viewing sessions and field experiences will be included in the course.

FORENSICS

Grade: 11-12

Credit: 1

Prerequisite: Biology and IPC or Chemistry

Forensic Science is a course that uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood spatter analysis. Students will learn the history, legal aspects, and career options for forensic science.

FOOD SCIENCE

Grade: 11-12

Credit: 1

Prerequisite: Biology and IPC or Chemistry

In this course, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Food Science is the study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public. This Hospitality & Tourism course may be used to satisfy a science credit required for graduation.

SOCIAL STUDIES

WORLD GEOGRAPHY

Grade: 9-12

Credit: 1

Prerequisite: None

In World Geography Studies, students examine people, places, and environments at local, regional, national, and international scales from the spatial and ecological perspectives of geography. Students describe the influence of geography on events of the past and present. A significant portion of the course centers around the physical processes that shape patterns in the physical environment; the characteristics of major land forms, climates, and ecosystems and their interrelationships; the political, economic, and social processes that shape cultural patterns of regions; types and patterns of settlement; the distribution and movement of world population; relationships among people, places, and environments; and the concept of region. Students analyze how location affects economic activities in different economic systems throughout the world. Students identify the processes that influence political divisions of the planet and analyze how different points of view affect the development of public policies. Students compare how components of culture shape the characteristics of regions and analyze the impact of technology and human modifications on the physical environment. Students use problem-solving and decision-making skills to ask and answer geographic questions.

WORLD GEOGRAPHY Pre-AP

Grade: 9

Credit: 1

Prerequisite: None

World Geography Pre-AP will furnish a wealth of material that will help students to explore geography in greater depth. Advanced reading and writing skills are necessary prerequisites for this class. Expectations will include enrichment activities such as research projects, essay writings, oral presentations, problem solving activities and investigative reports.

WORLD HISTORY

Grade: 10-12

Credit: 1

Prerequisite: None

World History Studies is the only course offering students an overview of the entire history of humankind. The major emphasis is on the study of significant people, events, and issues from the earliest times to the present. Traditional historical points of reference in world history are identified as students analyze important events and issues in western civilization as well as in civilizations in other parts of the world. Students evaluate the causes and effects of political and economic imperialism and of major political revolutions since the 17th century. Students examine the impact of geographic factors on major historic events and identify the historic origins of contemporary economic systems. Students analyze the process by which democratic-republican governments evolved as well as the ideas from historic documents that influenced that process. Students trace the historical development of important legal and political concepts. Students examine the history and impact of major religious and philosophical traditions. Students analyze the connections between major developments in science and technology and the growth of industrial economies, and they use the process of historical inquiry to research, interpret, and use multiple sources of evidence.

WORLD HISTORY Pre-AP

Grade: 10

Credit: 1

Prerequisite: None

World History Pre-AP will furnish a wealth of material that will help students to explore history in greater depth. Content will focus on political history, economic history, social history and intellectual history. Advanced reading and writing skills are necessary prerequisites for this class. Expectations will include enrichment activities such as research projects, essay writings, oral presentations, problem solving activities and investigative reports.

UNITED STATES HISTORY

Grade: 11-12

Credit: 1

Prerequisite: None

Students study the history of the United States since Reconstruction to the present. Historical content focuses on the political, economic, and social events and issues related to industrialization and urbanization, major wars, domestic and foreign policies of the Cold War and post-Cold War eras, and reform movements including civil rights. Students examine the impact of geographic factors on major events and analyze causes and effects of the Great Depression. Students examine the impact of constitutional issues on American society, evaluate the dynamic relationship of the three branches of the federal government, and analyze efforts to expand the democratic process. Students describe the relationship between the arts and the times during which they were created. Students analyze the impact of technological innovations on the American labor movement. Students use critical-thinking skills to explain and apply different methods that historians use to interpret the past, including points of view and historical context.

UNITED STATES HISTORY DUAL CREDIT [DC]

Grade: 11-12

Credit: 1

Prerequisite: Passed Reading TSI or TSI exempt, Payment of College tuition

The purpose of History 1301 is to survey the history of the United State from its beginnings through the Civil War and Reconstruction; this includes the Colonial Period, the American Revolution, and the development of a national government, which was to culminate sectional differences by the mid 1800's. History 1302 continues the American saga through the 1990's, addressing WWI, WWII, the Cold War, Vietnam, and the philosophy of "Reaganomics" that continues to influence the presidency and government today.

UNITED STATES HISTORY Advanced Placement [AP]

Grade: 11-12

Credit: 1

Prerequisite: World Geography and World History

This course is a college-level survey of the history of the United States from the period of New World exploration to the present. Students will gain insight into the political, constitutional, economic, geographic, military, diplomatic, technological, artistic, and social events and issues, as well as the contributions of significant groups and individuals. This course provides students with the analytical and evaluative skills and factual knowledge necessary to deal critically with the problems and issues in United States history, using rich primary and secondary sources and historical works. Students will learn to assess historical materials—their relevance to a given interpretive problem, their reliability, and their importance—and to weigh the evidence and the interpretations presented in historical scholarship. This course will help students develop the skills necessary to arrive at conclusions on the basis of informed judgment and to present reasons and evidence clearly and persuasively in both oral and essay format. A comprehensive college textbook is used for this course.

U.S. GOVERNMENT

Grade: 12

Credit: ½

Prerequisite: None

In Government, the focus is on the principles and beliefs upon which the United States was founded and on the structure, functions, and powers of government at the national, state, and local levels. This course is the culmination of the civic and governmental content and concepts studied from Kindergarten through required secondary courses. Students learn major political ideas and forms of government in history. A significant focus of the course is on the U.S. Constitution, its underlying principles and ideas, and the form of government it created. Students analyze major concepts of republicanism, federalism, checks and balances, separation of powers, popular sovereignty, and individual rights and compare the U.S. system of government with other political systems. Students identify the role of government in the U.S. free enterprise system and examine the strategic importance of places to the United States. Students analyze the impact of individuals, political parties, interest groups, and the media on the American political system, evaluate the importance of voluntary individual participation in a democratic society, and analyze the rights guaranteed by the U.S. Constitution. Students examine the relationship between governmental policies and the culture of the United States. Students identify examples of government policies that encourage scientific research and use critical-thinking skills to create a product on a contemporary government issue.

U.S. GOVERNMENT DUAL CREDIT [DC]

Grade: 12

Credit: ½

Prerequisite: Passed Reading TSI or TSI exempt, Payment of College tuition

This course provides the opportunity for students to receive both high school and college credit at the same time. Students who enter this course must meet the enrollment criteria of Texarkana College and must pay their tuition at TC for three hours of college credit. College textbooks, selected by Texarkana College, will be provided by TISD. Grades will be recorded both at Texas High School and at Texarkana College and will appear on each institution's transcript. The course will be based on the same criteria as U.S. Government AP, including all reading, writing, and projects.

U.S. GOVERNMENT ADVANCED PLACEMENT [AP]

Grade: 12

Credit: ½

Prerequisite: None

Advanced U.S. Government includes the basic components and content as U.S. Government. Each topic is addressed in greater detail and through higher level thought processes. Students will be required to do extensive reading, analyzing, and evaluating in verbal and written form. Individual problem solving activities will be required. High academic achievement should be the goal of students who enroll in U.S. Government Honors. Because the course involves a great deal of independent reading and critical analysis, the student should be a highly self-motivated independent thinker.

ECONOMICS WITH EMPHASIS ON THE FREE ENTERPRISE SYSTEM AND ITS BENEFITS

Grade: 12

Credit: ½

Prerequisite: None

Economics with Emphasis on the Free Enterprise System and Its Benefits is the culmination of the economic content and concepts studied from Kindergarten through required secondary courses. The focus is on the basic principles concerning production, consumption, and distribution of goods and services in the United States and a comparison with those in other countries around the world. Students examine the rights and responsibilities of consumers and businesses. Students analyze the interaction of supply, demand, and price and study the role of financial institutions in a free enterprise system. Types of business ownership and market structures are discussed, as are basic concepts of consumer economics. The impact of a variety of factors including geography, the federal government, economic ideas from important philosophers and historic documents, societal values, and scientific discoveries and technological innovations on the national economy and economic policy is an integral part of the course. Students apply critical-thinking skills to create economic models and to evaluate economic-activity patterns.

MICROECONOMICS ADVANCED PLACEMENT [AP]

Grade: 12

Credit: ½

Prerequisite: None

The purpose of this second semester college-level course is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision-makers, both consumer and producers, within the larger economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy.

SOCIAL STUDIES ADVANCED STUDIES: TEXAS GOVERNMENT DC

Grade: 11-12

Credit: ½

Prerequisite: Passed Reading TSI or TSI exempt, Payment of College tuition

GOVT 2306 Texas Government Credit: 3 hours (college) This course provides a study of the Texas Constitution and government, emphasizing political institutions including political parties, interest groups, the legislature, the governor, bureaucracy, judiciary, and local government.

PSYCHOLOGY DC

Grade: 11-12

Credit: ½

Prerequisite: Passed Reading TSI or TSI exempt, Payment of College tuition

This course is designed for the exceptional, highly self-motivated student who is willing to complete work required for the college level course. In this course the student will be provided the opportunity to study the human growth, development, and behavior as well as the development of the individual. This will be done involving factors in learning and language development, in personality theories, and in personality testing and assessment.

SOCIAL STUDIES ADVANCED STUDIES: WORLD CIVILIZATIONS I DC

Grade: 11-12

Credit: ½

Prerequisite: Passed Reading TSI or TSI exempt, Payment of College tuition

HIST 2321 World Civilizations I Credit: 3 hours (college) This course is a survey of ancient and medieval history with emphasis on Asian, African, and European cultures.

PHYSICAL EDUCATION

PHYSICAL EDUCATION 1

Grade: 9-12

Credit: ½ Per Semester

Prerequisite: None

Students will study basic motor skills and analyze, review, and improve personal skills. They will gain skills for physical recreation activities and individual, dual, and team sports. Fitness conditioning activities and fitness testing and appraisal will be included. Leisure and lifetime sports activities will be emphasized in an effort to instill in students the desire for lifelong physical and emotional well being.

ATHLETICS

A full athletic program is available for both boys and girls in grades 9-12. The program is operated in compliance with University Interscholastic League rules. Each participant is required to abide by all policies, procedure, and rules of the New Boston Athletic Department.

Boy's Athletics

Football
Basketball
Baseball
Golf
Track
Tennis
Cross Country

Girl's Athletics

Volleyball
Basketball
Softball
Golf
Track
Tennis
Cross Country

Students must be enrolled and attend athletics for the entire year. If a student chooses not to participate, the student will be dropped and placed in an elective course. Students must attend athletics in off-season in order to participate in subsequent athletic programs.

FINE ARTS

BAND 1, 2, 3, & 4

Grade: 9-12

Credit: ½ per semester (fall semester is ½ PE credit and spring semester is ½ Fine Art credit)

Prerequisite: None

The high school band is designed to be the culmination of the New Boston ISD band program. It is performance oriented ensemble and stresses music as a performing art. It is the responsibility of the music education program in the school to:

- Bring to every child the deepest possible understanding and realization of his/her full potential through self-expressions.
- Teach self-discipline and team effort.
- Promote school spirit.
- Teach music as a form of expression, an emotional outlet, and wholesome activity that can last a lifetime.
- Develop musically sensitive, intelligent adults who fully appreciate the significant contribution that music can make to the individual, and to the community.

JAZZ BAND 1, 2, 3, & 4

Grade: 9-12

Credit: 1

Prerequisite: Dual enrollment in Band

Students demonstrate independence in interpreting music through the performance of appropriate literature. Students analyze musical performances, intervals, music notation, chordal structure, rhythm/meter, and harmonic texture, using standard terminology. Students are expected to perform independently, demonstrating accurate intonation and rhythm, fundamental skills, and advanced techniques, and using literature ranging from moderately difficult to difficult. Students learn to classify representative examples of music by style and by historical period or culture. They also have the opportunity to evaluate musical performances and compositions by comparing them to similar or exemplary models and offering constructive suggestions for improvement.

MUSIC THEORY ADVANCED PLACEMENT [AP]

Grade: 11-12

Credit: 1

Prerequisite: Band 1 and 2

This college-level course introduces the student to musicianship, theory, musical materials, and procedures by integrating aspects of melody, harmony, texture, rhythm, form, musical analysis, elementary composition, history, and style. Musicianship skills such as dictation and other listening skills, sight-singing, and keyboard harmony are an important part of the theory course. The ultimate goal of an AP Music Theory course is to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. The course first will instill mastery of the rudiments and terminology of music and then will progress to include more sophisticated and creative tasks, such as melodic and harmonic dictation; composition of a bass line for a given melody, implying appropriate harmony; realization of a figured bass; realization of a Roman numeral progression; analysis of repertoire, including melody, harmony, rhythm, texture, and form; and sight-singing. Throughout the course, students will listen to musical works attentively and analytically, developing their musical memory and their ability to articulate responses to formal, stylistic, and aesthetic qualities of the works. Grade: 12 Prerequisite: None Course Weight: 1.80

THEATRE ARTS 1, 2, 3, 4

Grade: 9-12

Credit: 1

Prerequisite: None

This course stresses the expressive use of body and voice, along with aesthetic growth through appreciation of theatrical events. The course of study includes basic actor training, stage movement including mime and stage combat, and voice and diction including oral interpretation and characterization.

ART 1

Grade: 9-12

Credit: 1

Prerequisite: None

The Art Elements and Principles of Design are introduced, along with a brief study of Art Criticism and the History of Art. Various art mediums, techniques, styles and types of art are discussed. Experimentation of a variety of mediums (pastels, charcoal, acrylics, watercolors, etc.), techniques (college, stipple, grattage, printing, graded-wash, etc.), and types (2-D, painting, drawing, 3-D sculpture, assemblage, relief, clay, and fiber) begins with in-depth studio projects. The student will meet specific art objectives during this experimental time, but in their own unique and creative way.

ART 2, 3, 4

Grade: 10-12

Credit: 1

Prerequisite: Art 1

Art 2 students will focus on applying the Principles of Design to the Basic Art Elements in their projects. The Elements of Art were introduced and practiced in Art 1. Students will do new projects and projects that are extensions of previous ones. New techniques and mediums will be introduced, and old ones expounded on. These activities may be more time consuming, therefore, fewer projects may result. Examples may consist of canvas paintings, murals, assemblages, and computer graphic designs. Art related careers will be studied and at least one Art college advisor will have a scheduled visit. Every student will experience at least one field trip to a museum or an art exhibit.

PRINCIPLES & ELEMENTS OF FLORAL DESIGN

Grades: 10-12

Credit: 1

Prerequisite: None

This course is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students develop respect for the traditions and contributions of diverse cultures. Students respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations.

LANGUAGES OTHER THAN ENGLISH

General Description Acquiring another language incorporates communication skills such as listening, speaking, reading, writing, viewing, and showing. Students develop these communication skills by using knowledge of the language (including grammar), knowledge of the culture, communication and learning strategies, technology, and content from other subject areas to socialize, to acquire and provide information, to express feelings and opinions, and to get others to adopt a course of action. While knowledge of other cultures, connections to other disciplines, comparisons between languages and cultures, and community interaction all contribute to and enhance the communicative language learning experience, communication skills are the primary focus of language acquisition.

SPANISH I

Grade: 9-12

Credit: 1

Prerequisite: None

SPANISH II

Grade: 9-12

Credit: 1

Prerequisite: Spanish I

SPANISH II Pre-AP

Grade 9-12

Credit: 1

Prerequisite: Spanish I

In levels I and II courses (novice levels), students will demonstrate an understanding of simple, clearly spoken, and written language. Students will develop an understanding of the practices and perspectives of the cultures studied; use the language to obtain, reinforce, or expand knowledge of other subject areas; demonstrate an understanding of the influence of language and culture on another; and use the language both within and beyond the school setting through activities such as participating in cultural events and using technology to communicate.

SPANISH III Pre-AP

Grade: 10-12

Credit: 1

Prerequisite: Spanish 2

SPANISH LANGUAGE AP

SPANISH LANGUAGE DC

Grade: 11-12

Credit: 1

Prerequisite: Spanish 3 PAP

College credit SPAN 1411 Credit: 4 hours and SPAN 1412 Credit: 4 hours. Levels III and IV foreign language courses (intermediate levels), emphasize the use of language for active communication. The objectives of these courses are the ability to understand the spoken language in various contexts; a vocabulary in that language which is sufficiently ample for reading newspaper and magazine articles, literary texts, and other non-technical writings without dependence on a dictionary; and the ability to express oneself coherently, resourcefully, and with reasonable fluency and accuracy in both the written and spoken language. These courses seek to develop language skills (reading, writing, listening, and speaking) that can be used in various activities and disciplines and to emphasize extensive training in the organization and writing of compositions.

COMPUTER SCIENCE I

Grade: 9-12

Credit: 1

Prerequisite: None

This course will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements plan search strategies and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of the principles of computer science through the study of technology operations, systems, and concepts. This Technology Applications course satisfies the state graduation requirement for a level one course under Languages other than English.

COMPUTER SCIENCE II

Grade: 10-12

Credit: 1

Prerequisite: Computer Science I, Algebra I

In this course, students will develop products and generate new understandings by extending existing knowledge. Students will collaborate with peers and will use software engineering to work in software design teams. Students will locate, analyze, process, and organize data while using critical thinking, problem solving, and decision making. Students will explore and understand safety, legal, cultural, and societal issues relating to the use of technology and information. This Technology Applications course satisfies the state graduation requirement for a level two course under Languages other than English.

AGRICULTURE, FOOD, AND NATURAL RESOURCES

PRINCIPLES OF AGRICULTURE, FOOD, AND NATURAL RESOURCES

Grades: 9-12

Credit: ½

Prerequisite: None

To be prepared for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. This course allows students to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for success, students need to have opportunities to learn, reinforce, experience, apply, and transfer their knowledge and skills in a variety of settings.

SMALL ANIMAL MANAGEMENT

Grades: 9-12

Credit: ½

Prerequisite: Principles of Agriculture, Food, and Natural Resources

To be prepared for careers in the field of animal science, students need to enhance academic knowledge and skills, acquire knowledge and skills related to animal systems and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills in a variety of settings. Suggested small animals which may be included in the course of study include, but are not limited to, small mammals, amphibians, reptiles, avian, dogs, and cats.

LIVESTOCK PRODUCTION

Grades: 10-12

Credit: ½

Prerequisite: Principles of Agriculture, Food, and Natural Resources

To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge, acquire knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. Animal species to be addressed in this course may include, but are not limited to, beef cattle, dairy cattle, swine, sheep, goats, and poultry.

EQUINE SCIENCE

Grades: 10-12

Credit: ½

Prerequisite: Principles of Agriculture, Food, and Natural Resources

To be prepared for careers in the field of animal science, students need to enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. Suggested animals which may be included in the course of study include, but are not limited to, horses, donkeys, and mules.

WILDLIFE, FISHERIES, AND ECOLOGY MANAGEMENT

Grades: 10-12

Credit: ½

Prerequisite: Principles of Agriculture, Food, and Natural Resources

To be prepared for careers in natural resource systems, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to natural resources, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course examines the management of game and non-game wildlife species, fish, and aquacrops and their ecological needs as related to current agricultural practices.

FORESTRY AND WOODLAND ECOSYSTEMS

Grades: 10-12

Credit: ½

Prerequisite: Principles of Agriculture, Food, and Natural Resources

To be prepared for careers in natural resource systems, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to natural resources, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills in a variety of settings. This course examines current management practices for forestry and woodlands. Special emphasis is given to management as it relates to ecological requirements and how these practices impact the environment.

PRINCIPLES AND ELEMENTS OF FLORAL DESIGN

Grades: 9-12

Credit: 1

Prerequisite: None

This course is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students develop respect for the traditions and contributions of diverse cultures. Students respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations.

HORTICULTURE SCIENCE

Grades: 10-12

Credit: ½

Prerequisite: Principles of Agriculture, Food, and Natural Resources

To be prepared for careers in horticultural systems, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to horticulture and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills in a variety of settings. This course is designed to develop an understanding of common horticultural management practices as they relate to food and ornamental plant production.

AGRICULTURAL MECHANICS AND METAL TECHNOLOGIES

Grades: 10-12

Credit: ½

Prerequisite: Principles of Agriculture, Food, and Natural Resources

To be prepared for careers in agricultural power, structural, and technical systems, students need to attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the industry; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills and technologies in a variety of settings. This course is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metal working techniques.

LANDSCAPE DESIGN AND TURF GRASS MANAGEMENT

Grades: 10-12

Credit: ½

Prerequisite: None

To be prepared for careers in horticultural systems, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. This course is designed to develop an understanding of landscape and turf grass management techniques and practices.

AGRICULTURAL POWER SYSTEMS

Grades: 10-12

Credit: 1

Prerequisite: Principles of Agriculture, Food, and Natural Resources

To be prepared for careers in agricultural power, structural, and technical systems, students should attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the workplace; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. To prepare for success, students should have opportunities to learn, reinforce, apply, and transfer knowledge and technical skills in a variety of settings. This course is designed to develop an understanding of power and control systems as related to energy sources, small and large power systems, and agricultural machinery.

ARCHITECTURE & CONSTRUCTION

CONSTRUCTION MANAGEMENT

Grade: 10-12

Credit: 1

Prerequisite: Principles of Architecture and Construction

In this course, students gain knowledge and skills specific to those needed to enter the work force as carpenters or building maintenance supervisors or build a foundation toward a postsecondary degree in architecture, construction science, drafting, or engineering. Construction Management includes the knowledge of the design techniques and tools related to the management of architectural and engineering projects.

CONSTRUCTION TECHNOLOGY

Grade: 11-12

Credit: 2

Prerequisite: Construction Management

In this course, students gain knowledge and skills specific to those needed to enter the work force as carpenters or building maintenance supervisors or prepare for a postsecondary degree in construction management, architecture, or engineering. Students acquire knowledge and skills in safety, tool usage, building materials, codes, and framing.

BUILDING MAINTENANCE TECHNOLOGY

Grade: 11-12

Credit: 2

Prerequisite: Construction Maintenance

In this course, students gain knowledge and skills specific to those needed to enter the field of building maintenance as a building maintenance technician or supervisor or secure a foundation for a postsecondary degree in construction management, architecture, or engineering. Students acquire knowledge and skills in plumbing, electrical, and heating, ventilation, and air conditioning (HVAC) systems. Additionally, student learn methods for repair and installation of drywall, roof, and insulation systems.

ADVANCED BUILDING MAINTENANCE TECHNOLOGY

Grade: 12

Credit 2

Prerequisite: Building Maintenance Technology

In this course, students continue to gain knowledge and skills specific to those needed to enter the field of building maintenance as a building maintenance technician or supervisor and construction project manager or secure a foundation for a postsecondary degree in construction management, architecture, or engineering. Students acquire knowledge and skills in safety, Occupational Safety and Health Administration (OSHA) standards, safety devices in electrical circuits, maintenance of electrical and heating, ventilation, and air conditioning (HVAC) systems, and concepts of historic preservation.

ARTS, AUDIO/VIDEO TECHNOLOGY, AND COMMUNICATIONS

PRINCIPLES OF ARTS, AUDIO/ VIDEO TECHNOLOGY, AND COMMUNICATIONS

Grades: 9-12

Credit: ½

Prerequisite: None

Careers in the Arts, Audio-Video Technology, and Communications career cluster require, in addition to creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities.

PROFESSIONAL COMMUNICATIONS

Grade: 9-12

Credit: ½

Prerequisite: None

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research.

AUDIO VIDEO PRODUCTION

Grade: 10-12

Credit: 1

Prerequisite: None

Careers in audio and video technology and film production span all aspects of the audio video communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio Video Technology, and Communications career cluster, students will be expected to develop an understanding of the industry with a focus on pre-production, production, and post-production audio and video activities.

ADVANCED AUDIO VIDEO PRODUCTION

Grade: 11-12

Credit: 2

Prerequisite: Audio Video Production

Careers in audio and video technology and film production span all aspects of the audio video communications industry. Within this context, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio Video Technology, and Communications career cluster, students will be expected to develop an advanced understanding of the industry with a focus on pre-production, production, and post-production activities. This course may be implemented in an advanced audio format or an advanced format, including both audio and video.

PRACTICUM OF AUDIO VIDEO PRODUCTION

Grade: 11-12

Credit: 2-3

Prerequisite: Advanced Audio Video Production

Careers in audio and video technology and film production span all aspects of the audio-video communications industry. Within this context, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production audio and video activities in a studio environment.

FASHION DESIGN

Grades: 10-12

Credit: 1

Prerequisite: None

Students will be expected to develop an understanding of fashion and the textile and apparel industries. Students will design apparel products using principles of effective design. Students will apply knowledge of fibers, fabrics, and design when evaluating and designing textile products and demonstrate effective repair, alteration, and construction techniques.

ADVANCED FASHION DESIGN

Grades: 11-12

Credit: 2

Prerequisite: Fashion Design

Careers in fashion span all aspects of the textile and apparel industries. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an advanced understanding of fashion, with emphasis on design and production.

GRAPHIC DESIGN AND ILLUSTRATION

Grades: 10-12

Credit: 1

Prerequisite: None

Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design.

ADVANCED GRAPHIC DESIGN AND ILLUSTRATION

Grades: 10-12

Credit: 1

Prerequisite: Graphic Design and Illustration

Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an advanced understanding of the industry with a focus on mastery of content knowledge and skills.

PRACTICUM GRAPHIC DESIGN AND ILLUSTRATION

Grades: 11-12

Credit: 2

Prerequisite: Advanced Graphic Design and Illustration

Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop a technical understanding of the industry with a focus on skill proficiency.

BUSINESS MANAGEMENT AND ADMINISTRATION

PRINCIPLES OF BUSINESS, MARKETING, AND FINANCE

Grades: 9-12

Credit: ½

Prerequisite: None

Students gain knowledge of the characteristics of businesses and define ethics in business. Students classify types of businesses that market goods and services; analyzes the sale process, understands the fundamental principles of money, demonstrates an understanding of personal financial management, and analyzes sales, advertising, and economic concepts impacting prices.

MONEY MATTERS

Grades: 9-12

Credit: ½

Prerequisite: None

BUSINESS INFORMATION MANAGEMENT I

Grades: 9-12

Credit: 1

Prerequisite: None

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word-processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software.

BUSINESS INFORMATION MANAGEMENT I DUAL CREDIT

Grades: 11-12

Credit: 1/2

Prerequisite: None

Business Computer Applications Credit: 3 hours (college) Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word-processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software.

EDUCATION

PRINCIPLES OF EDUCATION AND TRAINING

Grade: 9-12

Credit: ½

Prerequisite: None

This course is designed to introduce learners to the various careers available within the education and training career cluster. Students use self-knowledge and educational and career information to analyze various careers within the education and training career cluster. Students also will gain an understanding of the basic knowledge and skills essential to careers within the education and training career cluster. Students will develop a graduation plan that leads to a specific career choice in the student's interest area.

HUMAN GROWTH AND DEVELOPMENT

Grade: 10-12

Credit: 1

Prerequisite: Principles of Education and Training

This course is an examination of human development across the lifespan with emphasis upon research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones. The course covers material that is generally taught in a postsecondary, one-semester introductory course in developmental psychology or human development.

INSTRUCTIONAL PRACTICES IN EDUCATIONAL AND TRAINING

Grade: 10-12

Credit: 2

Prerequisite: Human Growth and Development

This course is a field-based internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of early childhood education and exemplary educators or trainers in direct instructional roles with elementary, middle school, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel.

FINANCE

ACCOUNTING I

Grades: 10-12

Credit: 1

Prerequisite: None

Students investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in the process of recording, classifying, summarizing, analyzing, and communicating accounting information. Students formulate

ACCOUNTING II

Grades: 11-12

Credit: 1

Prerequisite: Accounting I

Students continue the investigation of the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in various managerial and cost accounting activities. Students formulate and interpret financial information for use in management decision making.

MONEY MATTERS

Grades: 9-12

Credit: $\frac{1}{2}$

Prerequisite: Principles of Business, Marketing, and Finance

Students will investigate global economics with emphasis on the free enterprise system and its impact on consumers and businesses. Students apply critical-thinking skills to analyze financial options based on current and projected economic factors. Students will gain knowledge and skills necessary to set long-term financial goals through investment, tax planning, asset allocation, risk management, retirement planning, and estate planning.

HOSPITALITY AND TOURISM

PRINCIPLES OF HOSPITALITY AND TOURISM

Grades: 9-12

Credit: ½

Prerequisite: None

The hospitality and tourism industry encompasses lodging; travel and tourism; recreation, amusements, attractions, and resorts; and restaurants and food beverage service. The hospitality and tourism industry maintains the largest national employment base in the private sector. Students use knowledge and skills that meet industry standards to function effectively in various positions within this multifaceted industry.

FOOD SCIENCE

Grades: 10-12

Credit: 1

Prerequisite: None

In this course, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Food Science is the study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public. This course may be used to satisfy a science credit required for graduation.

CULINARY ARTS

Grades: 11-12

Credit: 1

Prerequisite: Principles of Hospitality and Tourism and Lifetime Nutrition and Wellness or Food Science

This course is designed to offer skills and hands-on experience for the student interested in the food service industry. The course includes the study of health laws, sanitation, food technology, food preparation, merchandising operations, salesmanship, and service-related etiquette.

CULINARY ARTS DUAL CREDIT

Grades: 11-12

Credit: 2

Prerequisite: None

CHEF 1205 Sanitation and Safety Credit: 3 hours (college) CHEF 1401 Basic Food Preparation Credit: 3 hours (college) This course begins with the fundamentals and principles of the art of cooking and the science of baking and includes management and production skills and techniques. Students can pursue a national sanitation certification, a Texas culinary specialist certification, or any other appropriate industry certification. This course is taught on the Texarkana College campus. Note: Students must purchase a kit that costs approximately \$30.

ADVANCED CULINARY ARTS

Grade: 12

Credit: 1-2

Prerequisite: Culinary Arts

This course extends content and enhances skills introduced in culinary arts by infusing high-level, industry-driven content to prepare students for success in higher education, certifications, and/or immediate employment. This midlevel course will increase students' depth of knowledge and experience in specific areas including baking, protein selection, advanced nutrition, and sustainability. Students will trace the origin of food recipe and preparation. They will be able to apply the USDA regulatory method of grading food as they select items for production. Students will differentiate between front and back of the house roles and how these areas work together to create a successful operation. Students will prepare for national certifications that will provide them an advantage for scholarships, college admittance, and employment.

ADVANCED CULINARY ARTS DUAL CREDIT

Grade: 12

Credit: 2

Prerequisite: Culinary Arts Dual Credit

CHEF 2301 Intermediate Food Preparation Credit: 2 hours (college) IFWA 1205 Food Service Equipment & Planning Credit: 2 hours (college) RSTO 1221 Menu Management Credit: 2 hours (college) This course is a practicum that provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. The course integrates academic and career and technical education; provides more interdisciplinary instruction; and supports 149 strong partnerships among schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fast-changing workplace. This course is taught on the Texarkana College campus.

HUMAN SERVICES

PRINCIPLES OF HUMAN SERVICES

Grades: 9-12

Credit: ½

Prerequisite: None

This laboratory course will enable students to investigate careers in the human services career cluster, including: counseling and mental health; early childhood development; family, relationships, and community; nutrition and health; and personal care services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers.

CHILD DEVELOPMENT

Grades: 9-12

Credit: ½

Prerequisite: None

This technical laboratory course addresses knowledge and skills related to child growth and development from prenatal through school-age children, equipping students with child development skills. Students use these skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children.

CHILD DEVELOPMENT DUAL CREDIT

Grade: 11-12

Credit: ½

Prerequisite: College Entrance Requirements; Reading TSI or exemptions

PSYC 2308 Child Psychology Credit: 3 hours (college) This advanced technical laboratory course addresses knowledge and skills related to child growth and development from prenatal through school-age children, equipping students with child development skills. Students use these skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children.

FAMILY AND COMMUNITY SERVICES

Grade: 10-12

Credit: 1

Prerequisite: Principles of Human Services

This laboratory-based course is designed to involve students in realistic and meaningful community-based activities through direct service experiences. Students are provided opportunities to interact and provide services to individuals, families, and the community through community or volunteer services. Emphasis is placed on developing and enhancing organizational and leadership skills and characteristics.

CHILD GUIDANCE

Grade: 11-12

Credit: 1-2

Prerequisite: Family and Community Services

Credit: 1 This technical laboratory course addresses the knowledge and skills related to child growth and guidance, equipping students to develop positive relationships with children and effective caregiver skills. Students use these skills to promote the well-being and healthy development of children, strengthen a culturally diverse society, and pursue careers related to the care, guidance, and education of children, including those with special needs. Students must meet the following admittance requirements established by state licensing agencies: 1. Students must pass the PPD skin test. 2. Students must pass a criminal background check.

LIFETIME NUTRITION AND WELLNESS

Grades: 9-12

Credit: ½

Prerequisite: None

This laboratory course allows students to use principles of lifetime wellness and nutrition to help them make informed choices that promote wellness as well as pursue careers related to hospitality and tourism, education and training, human services, and health sciences. Emphasis is placed on understanding the roll nutrients play in your body, making healthy dietary choices, and basic food preparation techniques.

COSMETOLOGY I Dual Credit

COSMETOLOGY II Dual Credit

Grade: 11-12

Credit: 2

Prerequisite: None

CSME 1401 Introduction to Cosmetology Credit: 4 (College CSME 1405 Fundamentals of Cosmetology Credit: 4 (college) 394110 Cosmetology II DC Credit: 3 (high school) CSME 1310 Introduction to Haircutting Credit: 3 (college) CSME 1453 Introduction to Chemical Reformation Credit: 4 (college) This coursework is a planned 1500 clock hour, two-year sequence of classroom and laboratory instruction, 1000 laboratory clock hours plus 500 academic hours awarded upon the completion of the 1000 laboratory hours. Instruction is designed to provide job-specific training for entry-level employment in cosmetology careers. Instruction includes sterilization and sanitation processes, shampooing and rinsing hair, application of conditioning creams and color rinses, application of scalp and hair treatments, shaping and thinning hair, hair-styling, permanent waving, hair coloring, manicuring, facial massages and make-up, and meets the Texas Cosmetology Commission requirements for licensure upon passing state exam. These courses are taught on the Texarkana College campus. Note: Students must purchase kits at an approximate cost of \$120 for level I and \$90 for level II.

HEALTH SCIENCE

PRINCIPLES OF HEALTH SCIENCE

Grades: 9-12

Credit: ½

Prerequisite: None

This course is designed for the student interested in pursuing a career in health care and gives an overview of the therapeutic, diagnostic, environmental and informational health care career fields. Basic knowledge and skills related to health care are developed including legal, ethical and financial issues in health care, communication skills, human growth and development, basic anatomy & physiology, and health care workplace safety.

MEDICAL TERMINOLOGY

Grades: 9-12

Credit: ½

Prerequisite: None

This course is designed to introduce students to the structure of medical terms, including prefixed, suffixes, word roots, combining forms, and singular and plural forms, plus medical abbreviations and acronyms. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology

HEALTH SCIENCE

Grades: 10-12

Credit: 1

Prerequisite: Principals of Health Science and Biology

This course allows the student to acquire advanced health care knowledge and skills in a classroom and community environment. Skills for a variety of occupations such as physical therapy, nursing/medical and laboratory careers will be acquired and students will do career observation in hospitals and community health care facilities..

GERONTOLOGY - CERTIFIED NURSE AIDE DUAL CREDIT

Grades: 11- 12

Credit: 1

Prerequisite: Health Science and Biology

This course teaches basic nursing skills used by nurse aides in long term care, hospitals and home health settings. This course is designed to develop knowledge of the aging process and the physical, psycho-social, and nutritional needs of the elderly. Students will develop skills to provide quality assessment and care for the geriatric client. Nurse aides graduates are eligible to take the Texas Department of Aging and Disability Service (TDHS) exam to be placed on the Texas Nurse Aide Registry thereby obtaining the credential as a Certified Nurse Aid. **Students will be screened for drugs and be required to purchase scrubs.**

PHARMACOLOGY DUAL CREDIT

Grades: 12

Credit: 1

Prerequisite: Health Science and Biology

Occupationally specific course designed to prepare the student to seek certification for the career of Pharmacy Technician (CPht). This entry level pharmacy career works in hospital, retail, mail order and specialty pharmacies to assist the pharmacist in filling medication orders, maintaining inventory and entering client data. **Fees include \$50.00 workbook; \$53.00 pharmacy board registration fee; \$44.00 fingerprinting fee.**

ANATOMY AND PHYSIOLOGY

Grades: 11-12

Credit: 1

Prerequisite: Biology and Chemistry

In Anatomy and Physiology, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis.

INFORMATION TECHNOLOGY

PRINCIPLES OF INFORMATION TECHNOLOGY

Grades: 9-10

Credit: 1

Prerequisite: None

Students develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the information technology environment

COMPUTER PROGRAMMING

Grades: 10-12

Credit: 1

Prerequisite: None

Students acquire knowledge of structured programming techniques and concepts appropriate to developing executable programs and creating appropriate documentation. Students analyze the social responsibility of business and industry regarding the significant issues relating to the environment, ethics, health, safety, and diversity in society and in the workplace as it relates to computer programming. Students apply technical skills to address business applications of emerging technologies. The student designs a software application plan and solves problems using different types and levels of programming languages.

ADVANCED COMPUTER PROGRAMMING

Grades: 11-12

Credit: 1

Prerequisite: Computer Programming

Students expand their knowledge and skills in structured programming techniques and concepts by addressing more complex problems and developing comprehensive programming solutions. Students analyze the social responsibility of business and industry regarding the significant issues relating to environment, ethics, health, safety, and diversity in society and in the workplace as it relates to computer programming. Students apply technical skills to address business applications of emerging technologies.

COMPUTER MAINTENANCE

Grades: 10-12

Credit: 1

Prerequisite: Principles of Informational Technology

In this course, students acquire principles of computer maintenance, including electrical and electronic theory, computer hardware principles, and broad level components related to the installation, diagnosis, service, and repair of computer systems. The course will prepare students for the CompTIA A+ certification exam, which covers maintenance of PCs, mobile devices, laptops, operating systems, and printers.

COMPUTER TECHNICIAN

Grades: 11-12

Credit: 2

Prerequisite: Computer Maintenance

In this course, students gain knowledge and skills in the area of computer technologies, including advanced knowledge of electrical and electronic theory, computer principles, and components related to the installation, diagnosis, service, and repair of computer-based technology systems. Students will reinforce, apply, and transfer their knowledge and skills to a variety of settings and problems.

WEB TECHNOLOGIES

Grades: 10-12

Credit: 1

Prerequisite: None

Through the study of web technologies and design, students learn to make informed decisions and apply the decisions to the field of information technology. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students enhance reading, writing, computing, communication, and critical thinking and apply them to the information technology environment. The student evaluates and employs computer-based productivity tools to create and modify web and digital media designs.

DIGITAL AND INTERACTIVE MEDIA

Grades: 10-12

Credit: 1

Prerequisite: None

Through the study of digital and interactive media and its application in information technology, students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students enhance reading, writing, computing, communication, and critical thinking and apply them to the information technology environment.

LAW, PUBLIC SAFETY, CORRECTIONS, and SECURITY

PRINCIPLES OF LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY

Grades: 9-12

Credit: 1

Prerequisite: None

This course introduces students to professions in law enforcement, security, corrections, and fire and emergency management services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and protective agencies of fire and emergency services. The course provides students with an overview of the skills necessary for careers in law enforcement, fire service, security, and corrections.

COURT SYSTEMS AND PRACTICES

Grades: 10-12

Credit: 1

Prerequisite: None

This course is an overview of the federal and state court systems. The course identifies the roles of judicial officers and the trial processes from pretrial to sentencing and examines the types and rules of evidence. Emphasis is placed on constitutional laws for criminal procedures such as search and seizure, stop and frisk, and interrogation.

LAW ENFORCEMENT

Grades: 11-12

Credit: 1

Prerequisite: None

This course is an overview of the history, organization, and functions of local, state, and federal law enforcement. The course includes the role of constitutional law, the United States legal system, criminal law, law enforcement terminology, and the classification and elements of crime.

FIREFIGHTER I

Grade: 11-12

Credit: 1

Prerequisite: Principles of Law, Public Safety, Corrections, and Safety

This course introduces students to firefighter safety and development. Students will analyze Texas Commission of Fire Protection rules and regulations, proper incident reporting and records, proper use of personal protection equipment, and the principles of fire safety.

FIREFIGHTER II

Grade: 12

Credit: 1

Prerequisite: Firefighter I

This course is the second in a series for students studying firefighter safety and development. Students will understand Texas Commission on Fire Protection rules and regulations, proper incident reporting and records, proper use of personal protection equipment, and the principles of fire safety. Students will study procedures for use of fire extinguishers, ladder, fire hose, and water supply apparatus.

LOCAL ELECTIVES

LEADERSHIP

Grade: 11-12

Credit: 1

Prerequisite: Junior or senior class officer or Student Council Officer or president of a club and/or organization

The purpose of this class is to teach leadership skills and to offer realistic opportunities in which students can put these skills to work. The course includes theories of leadership, debate, problem solving, speech-making, forensics, committee work, inter- and intra-personal management, and citizenship development. Students will meet with leaders in the school and the community and will be involved in the decision-making process.

SAT/ACT PREP

Grade: 10-12

Credit: ½

Prerequisite: Algebra 2 or concurrent enrollment

The SAT/ACT prep class has two purposes. First, it gives students a thorough grounding in standardized test-taking strategies that help them succeed on the SAT and ACT, as well as on multiple-choice tests similar to these exams. Second, it serves as a review of the basic verbal and mathematical skills that college entrance exams are designed to test. Instruction followed by guided practice is the foundation of the course.

OFFICE AIDE

Grade: 12

Credit: ½ - 1

Prerequisite: Senior

In this course, students will be assigned to the front office, the library, or the counselor's office during the class time. Students will assist office personnel with the duties necessary to maintain an organized and efficient workplace.

UIL ACADEMIC PREPARATION

Grade: 9-12

Credit: ½-1

Prerequisite: Academic UIL coach or coordinator approval

The University Interscholastic League offers a wide variety of academic contests for high school students, encompassing many elements of required high school coursework. These contests build upon the academic skills developed in the classroom and offer students an opportunity to stretch their talents above and beyond those requirements. This course is designed to motivate students as they acquire higher levels of knowledge, to encourage students to confront issues of importance, and to provide students with the opportunity to demonstrate mastery of specific skills. Students are challenged to think critically, exhibiting much more than knowledge and comprehension.

MANUFACTURING

WELDING

WELDING DC

Grade: 11-12

Credit: 2 (high school)

WDLG 1337 Introduction to Welding Metallurgy Credit: 3 hours (college) WLDG 1421 Welding Fundamentals

Credit: 4 hours (college)

Prerequisite: Principles of Agriculture, Food, and Natural Resources

Rapid advances in technology have created new career opportunities and demands in many industries. Welding provides the knowledge, skills, and technologies required for employment in metal technology systems. Students develop knowledge and skills related to this system and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills prepare students for future success. This course is taught on the Texarkana College campus.

Students must purchase a kit at the approximate cost of \$30.

ADVANCED WELDING

ADVANCED WELDING DC

Grade: 12

Credit: 2 (high school) WDLG 1428 Introduction to Shielded Metal Arc Credit: 4 hours (college) WLDG 2443

Advanced Shielded Metal Arc Credit: 4 hours (college)

Prerequisite: Principles of Agriculture, Food, and Natural Resources

This course builds on knowledge and skills developed in Welding. Students will develop advanced welding concepts and skills as they relate to personal and career development. This course integrates academic and technical knowledge and skills. Students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. This course is taught on the Texarkana College campus.

MARKETING, SALES, AND SERVICES

The Cooperative Part-time Training program (DCP) prepares high school youth for useful employment. To qualify for cooperative education class, students must have these prerequisites:

1. Be at least 16 years of age.
2. Be enrolled in grades 11 or 12 (earned at least 10 credits).
3. Have parental consent.
4. Have good school attendance.
5. Have good conduct.
6. Have satisfactory academic standing.
7. Have teacher/coordinator approval.
8. Complete an application for the DCP instructor. Students may not enter the co-op program without this application.
9. Students may not enter co-op program after second week of school.

Each student approved for a cooperative education class is scheduled for one period of related classroom instruction in addition to other subjects taken. Part of the training includes released time for 15-25 hours per week of on-the-job training. Three (3) credits may be earned in two semesters of a co-op program. The student should remain in the co-op program for both semesters each year. **(Students may not enter the Co-op class at semester.)**

FASHION MARKETING

Grade: 9-12

Credit: ½

Prerequisite: None

This course is designed to provide students with knowledge of the various business functions in the fashion industry. Students will gain a working knowledge of promotion, textiles, merchandising, mathematics, selling, visual merchandising, and career opportunities.

SPORTS AND ENTERTAINMENT MARKETING

Grade: 9-12

Credit: ½

Prerequisite: None

This course will provide students with a thorough understanding of the marketing concepts and theories that apply to sports, sporting events, and entertainment. The course will cover basic marketing, target marketing and segmentation, sponsorship, event marketing, promotions, sponsorship proposals, and implementation of sports and entertainment marketing plans. The course also will provide students an opportunity to develop promotional plans, sponsorship proposals, endorsement contracts, sports and entertainment marketing plans, and evaluation and management techniques.

DIVERSIFIED CAREER PREPARATION I & II

Grades: 11-12

Credit: 3/year

Prerequisite: Qualifying Criteria

Diversified Career Preparation will provide students the opportunity to explore career options through cooperative, work-based learning while receiving related classroom instruction in workplace readiness skills and occupationally specific, technical-related study. Employers who hire students to work during each school day at wage rated equitable for beginning employees provide Job specific skilled training and equipment. Employers also consult with and advise the teacher-coordinator of the program regarding the instruction student's need in the classroom phase of their training.

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS

ROBOTICS AND AUTOMATION

Grade: 10-12

Credit: 1

Prerequisite: Algebra 1

Students enrolled in this course will demonstrate knowledge and skills necessary for the robotic and automation industry. Through implementation of the design process, students will transfer advanced academic skills to component designs in a project-based environment. Students will build prototypes or use simulation software to test their designs. Additionally, students explore career opportunities, employer expectations, and educational needs in the robotic and automation industry.

TRANSPORTATION, DISTRIBUTION, AND LOGISTICS

DIESEL MECHANICS I DUAL CREDIT

DIESEL MECHANICS II DUAL CREDIT

Grade: 11-12

Credit: 2 (high school) DEMR 1301/1306 Diesel I Credit: 8 hours (college) DEMR 1421/1405 Diesel 2 Credit: 8 hours (college)

Pre-Requisite: None

The Diesel Technology certificate program offers a number of career options by providing students the opportunity to earn a one-year certificate. Most of our students go directly into the workforce as technicians while some go on to start their own business. A background in Auto and diesel technology can be a valuable asset in a number of careers; service technician, diesel parts counter tech, custom service/diagnostics, and fleet service maintenance. The Auto/Diesel technology program consists of 42 hours of coursework and commonly takes three semesters to complete when taken during the day. The range of study varies from shop safety to failure analysis. \$30 course fee per semester