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BLUFFTON HIGH SCHOOL
COURSE DESCRIPTION GUIDE

2006-2007

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INTRODUCTION

This course selection guide supplies information concerning the subjects offered each grade level and the requirements necessary for graduation. The pupil and parent need to consider graduation requirements, individual interest and aptitudes, and post high school plans when selecting courses.

Each year brings about some changes in the curriculum for the following year. Therefore, it is recommended that one look over the Course Selection Guide very carefully. Due to changes, one may find that previous course planning will have to be re-evaluated. Each student should confer with the guidance counselor in preparing a tentative four-year planning sheet for future reference and in keeping it up-to-date.

The counselor and administrator will be glad to work with you on any questions that you may have in regard to your son's or daughter's schedule.

All courses required for graduation must be taken during the regular school year. These courses may be retaken in summer school only upon the approval of the principal and only if the course was previously failed or if the grade received is not satisfactory for continuation into a higher level course. It is the responsibility of the student to make sure all requirements for graduation are met.

All schedule changes for the following year should be made during the month of May unless the change is recommended by a teacher and/or guidance counselor.

In conclusion, we would like to again emphasize the importance of arriving at the proper academic schedule for your son or daughter. This, in turn, will help to keep schedule changes to a minimum and maximize individual options.

I Graduation Requirements

CURRENT STATE MINIMUMS (Became effective: Sept. 15, 2001)	CURRENT BLUFFTON HIGH SCHOOL REQUIREMENTS
1. English – Four (4) credits	1. English – Four (4) credits
2. Math – Three (3) credits	2. Math – Three (3) credits
3. Science – Three (3) credits Must include One (1) credit of Biological Science and One (1) credit of Physical Science	3. Science – Three (3) credits Must include One (1) credit of Biological Science and One (1) credit of Physical Science

4. Social Studies-Three (3) credits including ½ unit of American History and ½ unit of American Government.

5. Physical Education – One-half (1/2) credit

6. Health – One half (1/2) credit

7. Electives – Six (6) credits including, One (1) credit or two (2) one-half credits must include: Business/Technology, Fine Arts, **OR** Foreign Language.

TOTAL CREDITS: Twenty (20)

4. Social Studies – Four (4) credits
One (1) credit each of the following: World History, American History, American Government, one-half (1/2) credit Sociology and one-half (1/2) credit of Economics

5. Physical Education – One-half (1/2) credit

6. Health – One-half (1/2) credit

7. Electives – Six (6) credits including, One (1) credit or two (2) one-half credits must include: Business/Technology, Fine Arts, **OR** Foreign Language.

TOTAL CREDITS: Twenty-one (21)

- II. Bluffton High School students enrolled in an approved Vocational School: (20 Units)
- A. Four units of English
 - B. Three units of Social Studies, (one unit of World History, one unit of American History, one unit of American Government)
 - C. Three units of Math
 - D. Three units of Science
 - E. One-half unit of Physical Education
 - F. One-half unit of Health
 - G. Six units of Elective (Academic or Vocational)
- III. Bluffton High School students enrolled in Occupational Work Experience: (20 Units)
- A. Four units of English
 - B. Three units of Social Studies (One unit of World History; One unit of American History, one unit of American Government)
 - C. Three units of Math
 - D. Three units of Science
 - E. One-half unit of Physical Education
 - F. One-half unit of Health
 - G. Six units of Electives

CREDITS EARNED OUTSIDE OF BLUFFTON HIGH SCHOOL

Transfer units of credit will be accepted from other accredited high schools as shown on approved and official transcripts.

Any credit earned while a student is enrolled in Bluffton High School but taken outside of the regular school must be approved by the principal and superintendent before the class begins. These shall fall into one of the following categories but shall not exceed more than two (2) units of credit, unless approved by the principal and superintendent because of a unique set of circumstances. Students must submit to the principal written parental approval before participation in such programs will be considered. All expenses incurred shall be the sole responsibility of the student.

All of the procedures for earning credit listed below will be undertaken only after a student has failed to meet the requirements for credit in a regularly scheduled program at Bluffton High School.

- a. Summer School – students may take a course in a summer school if such a summer school is accredited by the state Board of Education.
- b. Tutorial Credit – students may receive credit for a course taught privately by a properly certified teacher provided they meet with the teacher a minimum of twenty (20) clock hours and be assigned an additional forty (40) hours for each unit of credit. The tutor must submit to the principal prior to pupil participation an instructional plan including objectives and an outline of activities including materials and a description of criteria and methods for assessing pupil performance. The tutor must submit a record of all work to the principal in writing showing the clock hours met and the quality of work accomplished.
- c. Correspondence credit – students may receive credit from an approved correspondence school only in extreme cases and the principal deems it necessary because of irrevocable schedule conflicts. A certified teacher or counselor shall monitor pupil performance in correspondence courses.

STATE BOARD OF EDUCATION APPROVED CRITERIA: DIPLOMA WITH HONORS

Each school district shall award the Diploma with Honors to any student graduating after September 15, 1993 who:

- successfully completes the high school curriculum or individualized education program developed for the student by the high school
- demonstrates at least a ninth-grade level of literacy and basic competency on all ninth grade proficiency tests and meets the criteria for honors provided below.

Beginning September 15, 2001, the student who completes the college preparatory curriculum in high school must meet any eight of the following nine criteria:

- a. four units of English
- b. three units of mathematics that include algebra I, algebra II, and geometry or complete a three-year sequence of courses that contain equivalent content

- c. at least three units of science that include instructional emphasis on the physical, life, and earth and space sciences
- d. three units of social studies
- e. either three units of one foreign language or two units each of two foreign languages
- f. one unit of fine arts
- g. either one unit of business/technology and two additional units in (a) through (f) above or earn three additional units, in (a) through (f) above.
- h. maintain an overall high school grade point average of at least 3.5 on a four-point scale up to the last grading period of the senior year.
- i. Obtain a composite score of 27 on the American College Testing (ACT) or an equivalent composite score on the Scholastic Assessment Tests (SAT)

Beginning September 15, 2001, the student who completes an intensive career-technical education curriculum in the high school must meet any nine of the following ten criteria:

- a. four units of English which may include one unit of applied communication
- b. three units of mathematics which should include algebra and geometry or a sequence of courses that contain equivalent content
- c. three units of science that develop concepts for physical, life and earth and space sciences
- d. three units of social studies
- e. two units of a foreign language; or two units of business/technology; or one unit of each
- f. three units in the student's career-technical education curriculum
- g. two additional units in (a) through (f) above, or in fine arts
- h. maintain an overall high school grade point average of at least a 3.5 on a 4.0 point scale up to the last grading period of the senior year
- i. complete a career passport that reflects achievement of the occupational proficiency benchmark established for the Ohio Vocational Competency Assessment or the equivalent
- j. obtain a composite score of 27 on the ACT tests or an equivalent composite score on the Scholastic Assessment Tests (SAT)

Passed by the State Board of Education: 1-11-93

Effective date 2-1-93

CLASS LEVEL ASSIGNMENT

Grade level assignment is determined by the number of units a pupil has earned. The minimum number of units required for assignment to each grade level above the ninth grade is as follows:

Grade 10	5 units required
Grade 11	11 units required
Grade 12	16 units required
Graduation	21 units required

CLASS LOAD

Every student must be enrolled in a minimum of six (6) periods per school day.

All freshmen must take physical education. Students are required to take Health during their sophomore year. Students wishing to take additional units of credit may do so only after conferring with the Guidance Counselor.

EARLY GRADUATION

Students wishing to graduate at the end of their junior year or at the end of their first semester, senior year, will be allowed to do so only if the following criteria is met:

- Approval of early graduation must be given by parents and the high school principal
- A written request for early graduation must be submitted to the Guidance Counselor before the beginning of the first semester of the student's junior year
- Request for summer school, tutorial, or correspondence school credit simply to facilitate early graduation will not be approved.

SCHEDULE CHANGES

All schedules must be finalized by June 1st. Once a schedule is finalized, students will not be permitted to add or drop a class unless there is an academically sound reason. After two (2) weeks in class, a student withdrawing from the class withdraws failing and it will appear on the permanent record, unless the drop is instituted by a faculty member. No student may add a course after the tenth (10th) day of the class.

EDUCATIONAL OPTIONS

For those students who possess exceptional skills or talents, program options to the standard curriculum may be available. Involvement in the program options must be approved by the principal and superintendent.

- Post-Secondary Enrollment – for those students who possess exceptional skill or talents, program options to the standard curriculum may be available. The Post-Secondary Enrollment Options Program has been established to permit high school students in grades nine through twelve to earn college and high school graduation credit through the successful completion of college courses. This program is intended to provide expanded opportunities for appropriately qualified high school students to experience course work at the college or university level. Any high school student admitted to a course by an institution of higher education will be expected and required to perform at the same level as the institution's regular students.

NONDISCRIMINATORY POLICY

Courses in the Bluffton Exempted Village Schools are available to all students regardless of race, religion, national or ethnic origin, sex, age, or handicap.

TECHNOLOGY DEPARTMENT

115 Computer Technology I Credit – 1 Unit Pre-requisites:
One Year Course Elective: 10-12 None

Students will learn basic technology and computer skills and gain valuable experience with computer applications such as Microsoft Word, PowerPoint, Movie Maker, Publisher, Paint, Excel, and FrontPage Editor, Flash Movies and Hot Potatoes, along with scanning and digital imaging with Adobe PhotoShop Elements. All of these areas will be coupled with real-world problem solving skills.

116 Computer Technology II Credit – 1 Unit Pre-requisites:
One Year Course Elective: 11-12 At least a "C"
in Computer Tech I

Students will learn intermediate to advanced level HTML construction using Microsoft FrontPage and Macromedia Dreamweaver and the Macromedia Studio MX applications. They will utilize advanced procedures with Microsoft Office computer applications, digital imaging skills and basic computer networking. We will also be doing some movie-making/editing. All of these areas will be coupled with real-world problem solving skills. Tech II students will work one day a week with an assigned elementary, middle school, or high school teacher to aid in technology integration and assist with updating and maintaining teacher web pages.

117 Computer Technology III Credit – 1 Unit Pre-requisites:
One Year Course Elective: 11-12 At least a "C"
in Computer Tech II

Students will explore web design and enhancements to assist in updating the school's web site. Student will become skilled at computer setup, maintenance, and some networking and assisting with school technology problems. New software and programs will be explored. All of these areas will be coupled with real-world problem solving skills. Tech III students will work one day a week with an assigned elementary, middle school, or high school teacher to aid in technology integration and assist with updating and maintaining teacher web pages.

BUSINESS DEPARTMENT

130 Intro to Business/Accounting Credit – 1 Unit Pre-requisites:
One Year Course Elective: 11-12 None

Introduction to Business/Accounting will provide students with a look at various aspects of business organizations and provide students with an understanding of fundamental accounting concepts. Students will learn the basics of analyzing and recording business transactions that can help to prepare them for further studies in the business field. This is a full-year course open to juniors and seniors.

FINE ARTS DEPARTMENT

150	Art I One Year Course	Credit – 1 Unit Elective: 9-11	Pre-requisites: Teacher Approval
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This is an introductory course including an exploratory creative arts program providing the students with some experiences in many different media each year. Techniques and procedures in using materials are introduced to students to provide a chance to explore and later select some specific areas of interest.

151	Art Design/Comp One Year Course	Credit – 1 Unit Elective: 10-12	Pre-requisites: Art I or Teacher Approval
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Design and Composition: A studio exploration of the elements of design, line, form, color, and texture to help students perceive and create artwork with emphasis upon composition. A variety of materials will be used to individually design in two dimensions. Commercial design is also studied. Techniques using transparent and opaque watercolor, acrylic, canvas painting, photography, pencil and charcoal, and printmaking techniques will be explored.

152	Art Ceramics/Sculpture One Year Course	Credit – 1 Unit Elective: 10-12	Pre-requisites: Art I or Teacher Approval
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Ceramics: Extensive techniques in using clay will be studied. Clay exploration and hand building such as modeling slab, coil, and combinations to create figures, portraits, and animal forms will be considered along with exploring mechanical techniques.
Sculpture: This part of the course will explore the uses of various 3-D sculpture with materials such as plaster, styrofoam, cardboard, grout, cement, and yarn.

153	Art Seminar One Year Course	Credit – 1 Unit Elective: 12	Pre-requisites: Art I, Ceramics, Design or Teacher Approval
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This course is designed for the serious student who has taken three or more years of art or who has submitted a portfolio of his/her work, and who has the approval of the art department chairperson. Students will work in advanced problems of art according to their individual interests.

154	Art Ceramics/Sculpture II One Year Course	Credit – 1 Unit Elective: 11-12	Pre-requisites: Art Ceramic/Sculpture Teacher Approval
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This course is designed for students serious in expanding their knowledge and skills in ceramics and sculpture. Students will work with the teacher to complete contracts that state what will be accomplished each nine weeks. A variety of ceramic techniques and sculpture media can be explored.

161	Photography One Year Course	Credit – 1 Unit Elective: 10-12	Pre-requisites: Teacher Approval
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This is an introductory course aimed at exploring the art of photography. Students will learn how to operate a 35mm camera and digital cameras to enhance their picture taking abilities and create movies. Students will also learn how to create outstanding final prints by using spot toning, dodging, burning, and other various techniques. Students will complete a final portfolio filled with photos and handouts so they may refer to them after the course is complete. A manual 35mm camera is highly recommended but not required.

162	Advanced Photography One Year Course	Credit – 1 Unit Elective: 11-12	Pre-requisites: Teacher Approval/ Photography Samples
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This course is an extension of photography. At the recommendation of the instructor, students will be adding to their base knowledge that they received from Photography. Advanced photography will include continued development of taking photos, creating various sizes of prints, combining photos for different effects, using the computer to enhance and create photos, and advanced movie making.

163	Art Design/Comp II One Year Course	Credit – 1 Unit Elective: 11-12	Pre-requisites: Art Design/Comp
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This course is an extension of Design/Composition. This course will include in depth study of the elements of art, principles of design, and composition and how they relate to artwork. A sketchbook will be kept by each student which will contain weekly drawing assignments. Projects will be discussed individually to enhance the strengths of each student.

Music

156	Concert Choir One Year Course	Credit – 1/2 Unit Elective: 9-12	Pre-requisites: Previous Choir Member
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The Bluffton High School Concert Choir is a select mixed ensemble consisting of approximately 70 balanced voices. No more than 40 female voices or 40 male voices can be permitted into High School Concert Choir due to balance for adjudicated events. High School Concert Choir performs a wide variety of choral repertoire at the following concerts: Fall, Christmas, Chicken Barbeque, and Spring concerts, various choral festivals and adjudicated events. Participation in all performances is mandatory for all choir students. High School Choir is designed to further develop vocal students skills in the following areas: sight-reading, rhythm reading, pitch matching, correct breath control, tone quality, vocal blend and increasing the vocal range.

157	Ladies First Choir One Year Course	Credit – 1/2 Unit Elective: 9-12	Pre-requisites: Previous Choir Membership
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The Bluffton High Ladies First Choir is a select mixed ensemble consisting of approximately 40 balanced female voices. This group performs a wide variety of choral repertoire at the

following concerts: Fall, Christmas, Chicken Barbeque, and Spring concerts, various choral festivals and adjudicated events. Participation in all performances is mandatory for all choir students. Ladies First Choir is designed to further develop vocal student skills in the following areas: sight-reading, rhythm reading, pitch matching, correct breath control, tone quality, vocal blend and increasing the vocal range.

158	Band One Year Course	Credit – 1/2 Unit Elective: 9-12	Pre-requisites: Previous Band Membership
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This course is designed to present to the student musician a variety of music, and will present varied opportunities for public performance. It will further develop and refine the student musician's sense of rhythm and pitch, technical ability, and tone quality. It will further develop and refine marching band and small ensemble skills. Band will encourage an enjoyment of instrumental performance that does not stop at high school graduation, but continues through the individual's life.

Because of simultaneous performances, football players only are allowed to be in the concert band without participation in the marching band.

155	Music Theory One Year Course	Credit – 1 Unit Elective:11-12	Pre-requisites: None
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This course is designed to enhance a student's working knowledge of the inner-workings of music. It will develop skills of ear-training, scale development, interval recognition, composition, aural dictation, score analysis and calligraphy. It will further develop the student musician's sense of rhythm and pitch. It will also develop a better understanding of music in general. This class is especially encouraged for, but not limited to, student musicians who are thinking about pursuing a career in music.

HEALTH AND PHYSICAL EDUCATION DEPARTMENT

200	Personal Physical Fitness One Year Course	Credit – ½ Unit Elective: 10-12	Pre-requisites: Physical Education
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This course will study the relationship between physical activity and individual well-being. Emphasis will be placed on an individualized analysis of health fitness, resulting in programs to develop optimal levels of physical fitness, including polymetrics, muscular strength, and endurance training, flexibility and lifetime sports consideration.

201	Physical Education Semester Course	Credit – ¼ Unit Required: 9	Pre-requisites: None
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The physical education classes include units on tennis, basketball, team handball, badminton, volleyball, outdoor recreation, physical fitness and weightlifting. Includes units on sports history
Pass/Fail

202	Health Semester Course	Credit – ½ Unit Required: 9	Pre-requisites: None
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Health is a required course for all ninth graders. The primary emphasis is in the areas of body systems, nutrition, and mental health with a secondary emphasis on communicable diseases, fitness, chemical dependency and human sexuality.

Effort is made to make the course relevant to the student through textbooks, articles, and independent research projects.

INDUSTRIAL TECHNOLOGY DEPARTMENT

250	Industrial Tech I One Year Course	Credit – 1 Unit Elective: 9-12	Pre-requisites None
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This course is an introduction to the Industrial Technology Field. Throughout the year, we will cover the basics in drafting, woodworking, transportation and metalworking.

The first semester, students will learn to design and draft projects. Second quarter, students will be required to design and construct a woodworking project. Second semester, students will be required to design and construct several metalworking projects. They will also learn about aviation or automobile operation. Each student will either design and construct a glider or a mouse trap vehicle.

251	Industrial Tech II One Year Course	Credit – 1 Unit Elective: 10-12	Pre-requisites: IT I
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This course is intended to expand student woodworking knowledge obtained in IT I. Instruction over wood identification, wood joints and the wood lathe will be introduced this year. As a class, each student will construct one project using the Wood Lathe. Each student will also be required to plan and construct at least one major or two minor projects of their choosing.

252	Industrial Tech III One Year Course	Credit – 1 Unit Elective: 10-12	Pre-requisites: IT I
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This course is intended to expand student metalworking knowledge obtained in IT I. Instruction over the Oxyacetylene Torch, Metal Lathe, MIG Welder and Vertical Mill will be introduced this year. Students will have assigned projects they are to build using each of the machines. During the second semester students will design and construct projects of his/her choice out of either metal or wood.

253	Industrial Tech IV One Year Course	Credit – 1 Unit Elective: 12	Pre-requisites: IT II or IT III, and Permission from Instructor
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This class is an independent study for senior students who have successfully completed IT I and either IT II or IT III. They may utilize all areas of the Industrial Technology Department to fabricate advanced projects of their choosing.

256	Computer Aided Drafting (CAD) One Year Course	Credit – 1 Unit Elective: 11-12	Pre-requisites None
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This engineering drafting class will use computers to complete the following: orthographic projections, pictorial views, architectural representations, and other assigned projects. Class projects will be assigned throughout the year to teach students problem solving.

Class size is limited to twelve students per year.

ENGLISH DEPARTMENT

300	English 9 One Year Course	Credit – 1 Unit Required: 9	Pre-requisites None
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English 9 is a required, one-credit course for ninth graders. The student will study mechanics and styles of writing, vocabulary, written composition, and numerous literature selections.

The goals of English 9 are to develop the student's writing skills and to present an overview of general literary works, both classical and contemporary.

301	English 10 One Year Course	Credit – 1 Unit Required: 10	Pre-requisites English 9
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English 10 is a required, one-credit course for tenth graders. As well as studying the works of major American authors, students will explore various writing models.

The goals of this course are two-fold: to develop students' communications skills and to present an overview of American literature.

302	College Prep English 11 One Year Course	Credit – 1 Unit Elective: 11	Pre-requisites: English 10
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English 11 is a one-credit course for eleventh graders. As well as studying the development of English literature and language, the students will study the works of major English authors.

The goals of this course are two-fold: to develop the student's language arts skills, especially communication skills, and present an overview of English literature.

303	Great Works 1 Semester Course	Credit – ½ Unit Elective: 11 and 12	Pre-requisites: English 10
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This class is a semester elective for juniors and seniors. Students will read a variety of novels and other classical literature. The class will consist mainly of class discussion and participation and also various forms of writing assignments based on the reading. This course cannot be counted toward the four-required English credits needed to graduate.

304	Great Works 2 Semester Course	Credit – ½ Unit Elective: 12	Pre-requisites: Great Works 1I
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This class is a semester elective for seniors who have already completed Great Works 1. Students will read a variety of novels and other classical literature. The class will consist mainly of class discussion and participation and also various forms of writing assignments based on the reading. This course cannot be counted toward the four required English credits needed to graduate.

305	Career English 11 One Year Course	Credit – 1 Unit Elective: 11	Pre-requisites: English 10 and Guidance Counselor Approval
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English 11 is a full year course for eleventh graders who are planning to enter the world of work rather than pursue post-secondary coursework. The course is a combination of literature and composition, but the emphasis is on preparation for a lifetime of work.

Placement in the course will be by principal/guidance counselor/teacher recommendation.

312	College Prep English 12 One Year Course	Credit – 1 Unit Elective: 12	Students must have passed English 11 to take this course
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College Prep English is a full year course intended for twelfth grade students who are planning to attend a four-year liberal arts college or who plan to major in an English related field (i.e. Journalism, Communications, English Education, etc.) This course is a combination of composition and literature. The students will write various types of essays as well as a research term paper. The students will explore universal themes expressed in a variety of literary forms.

316	Buccaneer One Year Course	Credit – 1 Unit Elective: 11-12	Pre-requisites: Passing grade in English 10 and/or English 11, Instructor Approval
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Buccaneer is an elective course for juniors and seniors. One credit applicable as English credit is awarded for the completion of the year-long course. This English credit, however, cannot be used as one of the four-required English credits needed to graduate.

Buccaneer is a year-long laboratory and study course, the main purposes of which are to produce a quality yearbook according to current standards and to teach students those skills required for this production.

317	Career English 12 One Year Course	Credit – 1 Unit Elective: 12	Pre-requisites: Guidance Counselor Approval
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English 12 is a full year course intended for twelfth grade students who are planning to go on to a two-year or vocational school, the military, special training, or the world of work. This course

is a combination of composition and literature, with emphasis on writing for life situations and reading comprehension. You will practice writing, reading, and thinking critically by doing work that joins academic material with everyday life.

319	Developmental Reading Semester Course	Credit – ½ Unit Elective: 9-12	Pre-requisites: Inst. Recommendation/ Stand. Test Results
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Developmental Reading is a semester course for any student who has a demonstrated reading deficiency. Practice will be given in listening, writing, reading, and thinking skills. Computers may be used.

FOREIGN LANGUAGE DEPARTMENT

325	Latin I One Year Course	Credit – 1 Unit Elective: 9-12	Pre-requisites: None
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This course is designed to acquaint the student with the basic structure of Latin and to learn enough vocabulary to be able to translate with comparative ease; to explore the ways a large part of the English vocabulary has been derived from Latin; to learn about the culture and mores of the ancient Romans; and to develop an awareness of the relevance of a study of Latin to our everyday living. The student is advised to have a good comprehension of English grammar.

326	Latin II One Year Course	Credit – 1 Unit Elective: 9-12	Pre-requisites Latin I
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This course is designed to continue learning the structure of Latin and to enable the student to translate more difficult passages; to learn more about the culture and mores of the Romans; to continue learning English words derived from Latin; to learn something of the history and mores of the Greeks whose contribution to the Roman culture was significant; and to learn something of the art and the architecture of the ancient Greeks and Romans. Mythology will be introduced in more depth.

327	Latin III One Year Course	Credit – 1 Unit Elective: 10-12	Pre-requisites: Latin I & II Teacher Approval
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This course will concentrate on the reading of Latin writers. Greek and Roman history is explored more fully. Stories are part of the curriculum. Writers may include Cicero, Livy, Pliny, Ovid and Virgil.

328	Latin IV One Year Course	Credit – 1 Unit Elective: 11-12	Pre-requisites: Latin I, II & III
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This course will concentrate on the reading of Latin writers; especially Ovid's Metamorphosis and Vergil's Aeneid. A special emphasis will be on poetry.

331	Spanish I One Year Course	Credit – 1 Unit Elective: 9-12	Pre-requisites: None
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Spanish I introduces novices to language study by teaching, listening, and speaking skills, as well as grammar and structural concepts. Knowledge and appreciation of Spanish speaking cultures is also developed.

332	Spanish II One Year Course	Credit – 1 Unit Elective: 9-12	Pre-requisites: Spanish I
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This course broadens and deepens the student's knowledge of Spanish through development of a larger vocabulary, revision and building upon previously learned grammar concepts, reading and composition skills, as well as, knowledge and understanding of Latin American and Spanish cultures.

333	Spanish III One Year Course	Credit – 1 Unit Elective: 10-12	Pre-requisites: Spanish II
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Emphasis in Spanish III is on increasing the fluency of speech to the level of useful conversation. There is focus on the current events, history, literature, and culture of Hispanic countries. Students will write compositions and translate from English into Spanish in the intermediate course.

334	Spanish IV One Year Course	Credit – 1 Unit Elective: 10-12	Pre-requisites: Spanish III
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This course broadens and strengthens the student's ability to communicate in real – life situations. The course also challenges students with advanced grammar concepts. Cultural readings, writing and listening activities provide fundamental knowledge about such topics as Spanish travel and tourism, the media, and leisure and pastimes.

MATHEMATICS DEPARTMENT

352	Algebra I One Year Course	Credit – 1 Unit Elective: 9-11	Pre-requisites None
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Algebra is considered the language of mathematics. It is the foundation of all the college-prep mathematics courses. A solid foundation is essential. In this course, the student will apply the fundamental operations of real numbers to solve equations with one and two variables. The student will be introduced to new topics which cover polynomials, laws of exponents and solving equations in one variable of degree greater than one. Radicals, inequalities, and various story problems that deal with motion, distance, age, consecutive integers are also covered. Linear equations and graphing will also be studied. This course is for all students who want to learn more than the four basic operations of mathematics.

353	Geometry One Year Course	Credit – 1 Unit Elective: 9-11	Pre-requisites Algebra I
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Geometry is the study of geometric figures in two and three dimensional space – their measurements, properties, and relationships. Some of these figures studied are points, lines, angles, triangles, other polygons, circles, and spheres.

By using the method of deductive reasoning, geometry can serve as a vehicle for stimulating and exercising general thinking skills and problem-solving abilities. It is a course which provides students with opportunities to look, compare, measure, guess, generalize, and abstract. Structured geometric activities present many opportunities for creativity and imaginative thinking.

Geometry is necessary for study in such fields as physics, astronomy, art, mechanical drawing, chemistry (for atomic and molecular structure), biology (for cell structure), and geology (for crystalline structure). Geometric skills are important in architecture and design, in engineering, and in various aspects of construction work.

354	Algebra II One Year Course	Credit – 1 Unit Elective: 10-12	Pre-requisites Geometry
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This course is an extension of the topics covered in Algebra I and Geometry. Topics that are included are real numbers, properties of polynomials, exponential, relations, graphing in a plane, solving equations with one or more variables and complex numbers. In addition, matrices, determinants, statistics, and trigonometry will be studied.

A graphing calculator is required and a TI-83 Plus or TI-84 Plus is recommended. Other acceptable calculators (TI-82, TI-85, TI-86). Not acceptable calculators (TI-80, TI-81, TI-89, TI-92).

355	Advanced Math Senior One Year Course	Credit – 1 Unit Elective: 11-12	Pre-requisites: Algebra II
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This course is an advanced mathematics course for students who would like a solid preparation for college mathematics, a review for College Board examinations, or simply further enrichment of their mathematical background.

This course shows how several branches of mathematics, like algebra and geometry, are intermixed to develop new, advanced mathematical concepts. Some of these concepts are functions, trigonometry, and advanced techniques of solving equations. At this level, the picture of the overall structure of mathematics comes into focus.

This course is required to advance towards such fields as accounting, electronics, engineering, or many of the sciences.

A graphing calculator is required and a TI-83 Plus or TI-84 Plus is recommended. Other

acceptable calculators (TI-82, TI-85, TI-86). Not acceptable calculators (TI-80, TI-81, TI-89, TI-92).

356	Advanced Math Junior One Year Course	Credit – 1 Unit Elective: 11	Pre-requisites: Jrs. Acc. Alg. II (For Jrs. who plan to take Calculus their Sr. year)
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This course is designed to immediately follow Accelerated Algebra II. It provides the student with a strong preparation for college level calculus. Practice in the fundamental skills of arithmetic, algebra, geometry, and trigonometry is provided while advanced topics are introduced and practiced. Topics studied include arithmetic series, geometric series, conic sections, roots of higher-order polynomial equations, functions, curve sketching (with and without a graphing calculator), polar and parametric equations, vectors, probability, and statistics. Real-world phenomena is modeled with a variety of functions.

The student will need a graphing calculator in his possession daily. A graphing calculator is required and a TI-84 Plus is recommended. Any student with a TI-89 will not be allowed to use it on tests or quizzes. The student will be expected to participate in numerous mathematics competitions.

358	Integrated Math II One Year Course	Credit – 1 Unit Elective: 10-12	Pre-requisites: Integ. Math I or Algebra
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Integrated Math II is a class, which presents mathematical concepts as a whole. It is an extension of Integrated Math I. Concepts presented within this framework are patterns, relations and functions, problem solving strategies, number and number relations, geometric and algebraic properties, measurement, estimation, data analysis, and probability.

359	Integrated Math III One Year Course	Credit – 1 Unit Elective: 11-12	Pre-requisites: Int. Math II or Geometry
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This course is designed to sharpen the skills of algebra and geometry and proceed forward with the more in-depth study of real numbers, polynomials, functions and relations, complex numbers, exponents, probability and statistics, trigonometry, coordinate geometry, matrices, and sequences and series.

360	Pre-Calculus One Year Course	Credit – 1 Unit Elective: 11-12	Pre-requisites: Advanced Math
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This course is designed to follow Advanced Mathematics. This course is for those students who are in need of a strong preparation for college level calculus, but are not candidates for an advanced course. Practice in the fundamental skills of arithmetic, algebra, geometry, and trigonometry is provided while advanced topics are introduced and practiced. Topics studied include, matrices, determinants, arithmetic series, geometric series, conic sections, roots,

higher-order polynomial equations, functions, curve sketching (with and without a graphing calculator), polar and parametric equations, vectors, probability, and statistics. Real-world situations are modeled with a variety of functions.

This course is centered on the graphing approach with graphing calculators. The student will need a graphing calculator in his possession daily (TI-84 recommended.)

361	College Prep Math One Year Course	Credit – 1 Unit Elective: 12	Pre-requisites: Sr., EMPT results Teacher Recommendation
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The curriculum will focus on the core concepts needed to avoid math remediation at the college level and incorporate skills needed in the workplace as identified by ACT's Work Keys and other resources. Topics from algebra, geometry, trigonometry, and statistics will be integrated throughout the course. Focus will be on applied mathematics and will involve the students in many real-life situations requiring mathematics in problem solving.

Critical thinking skills, mathematical reasoning, and communication will be emphasized beyond "skill and drill". Students will participate in collaborative learning activities, inquiry instruction, and extensive use of technology such as graphing calculators.

998	Accelerated Geometry One Year Course	Credit – 1 Unit Elective: 9-11	Pre-requisites Algebra I
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Geometry is the study of geometric figures in two and three dimensional space – their measurements, properties, and relationships. Some of these figures studied are points, lines, angles, triangles, other polygons, circles and spheres.

By using the method of deductive reasoning, geometry can serve as a vehicle for stimulating and exercising general thinking skills and problem-solving abilities. It is a course which provides students with opportunities to look, compare, measure, guess, generalize and abstract. Structured geometric activities present many opportunities for creativity and imaginative thinking.

Geometry is necessary for study in such fields as physics, astronomy, art, mechanical drawing, chemistry (for atomic and molecular structure), biology (for cell structure), and geology (for crystalline structure). Geometric skills are important in architecture and design, in engineering, and in various aspects of construction work.

At the recommendation of the instructor, the more talented geometry student will move at a faster pace with more in depth study of many topics. The students in this accelerated Geometry course are encouraged to begin participation in mathematics competitions.

999	Accelerated Algebra II One Year Course	Credit – 1 Unit Elective: 10-12	Pre-requisites Geometry
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This course is an extension of the topics covered in Algebra I and Geometry. Topics that are

included are real numbers, properties of polynomials, exponential, relations, graphing in a plane, solving equations with one or more variables and complex numbers. In addition, matrices, determinants, statistics, logarithms, and trigonometry will be studied.

A graphing calculator is required and a TI-84 Plus is recommended. Any student with a TI-89 will not be allowed to use it on tests or quizzes.

At the recommendation of the instructor, the more talented Algebra student will move at a faster pace with more in depth study of many topics.

In this Accelerated Algebra II course, the student will need to have a graphing calculator. See instructor before buying. A graphing calculator is required and a TI-84 Plus is recommended.

The students in this course will also be encouraged, and expected, to participate in numerous mathematics competitions.

SCIENCE DEPARTMENT

400	Science 9 One Year Course	Credit – 1 Unit Required: 9	Pre-requisites: None
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This course is designed to develop a better understanding of our physical world and its workings. By applying known concepts, we will study its make-up and workings and its constant changes.

Concept areas will be force and motion, energy transfer, structure of matter, and interactions of matter.

401	Biology One Year Course	Credit – 1 Unit Elective: 10-12	Pre-requisites: Science 9 or equivalent
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Biology is a college preparatory course. Successful completion of Science 9 or equivalent is necessary. Biologists name organisms, name their parts, and name their processes. Biologists study the relationships of organisms and how their processes help them to live. As a biologist studies the diversity of the organisms, the biologist will compare and contrast these relationships and processes from the simplest to the most complex organism.

Biology builds on the skills learned in the lower grade sciences in studying the cell through the vertebrates. Topics covered are photosynthesis, respiration, genetics, and reproduction from cell to vertebrates through all five kingdoms, as well as the wealth of organisms and their relationship to each other. Microscope and dissection work are a necessary part of the course.

402	Chemistry One Year Course	Credit – 1 Unit Elective: 11-12	Pre-requisites: Must have already completed Alg. I or Math I
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We live in a world, which is made entirely of elements and compounds. Your own bodies are made of compounds in various combinations. It is the purpose of this course to teach the student the very basic concepts involved in how elements and compounds react and interact with each other.

It is the purpose of this course to instill in the student how and where chemistry is used in modern living. Chemistry is not an easy course. One should be an average student or above with good study habits.

To understand much of chemistry, it must be explained through the use of mathematics, and mathematics makes up 30% of the total study in chemistry. Chemistry is a lot of work, but it is a must if you plan on entering a technical occupation needing a science background (nursing, laboratory technician, engineering, etc.)

403	Advanced Chemistry One Year Course	Credit – 1 Unit Elective: 11-12	Pre-requisites Chemistry grade of "C" or higher
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It is the objective of this course to enhance the background and knowledge of the student in general chemistry through a hands-on laboratory setting. The student will be working in the laboratory most of the time, from a selection of experiments provided by the instructor. The lab exercises will be chosen from experiments in the transition metals, qualitative analysis, analysis of water and wastewater, organic experiments, quantitative analysis, electrochemistry, nuclear chemistry, etc.

This course will add to, review, and reinforce the knowledge gained in first year chemistry.

404	Physics One Year Course	Credit – 1 Unit Elective: 11-12	Pre-requisites: Must have already completed Alg. II or Integrated Math II
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The world we live in is governed by natural laws which regulate matter and energy and how they interact with each other. It is the purpose of this course to study these interactions. We study concepts like force, motion, work, power, heat, nuclear reaction, etc., to better understand these interactions.

To study these concepts, one must use a great deal of mathematics; including advanced mathematics and elementary trigonometry.

Physics is one of the most difficult courses in high school and one must study a great deal. Physics is one of the three basic sciences and is needed if one is to advance in such fields as electronics, engineering, medicine, etc.

405	Environmental Biology One Year Course	Credit – 1 Unit Elective: 11-12	Pre-requisites: Biology or equivalent course
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The purpose of the course is to teach the balance of plants and animals in the natural environment, and how man plays a role in the natural environment. The pros and cons of man's industrialized high standard of living in the United States and the world energy use and pollution will be discussed.

There is a great deal of outside laboratory work with local flora and fauna to build an appreciation for nature around us and some of the complexities found in natural relationships.

406	Anat. & Phys. One Year Course	Credit – 1 Unit Elective: 11-12	Pre-requisites: Biology
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Anatomy is the study of structures of the body, while physiology is the study of how the body functions. This course intensively studies these topics through the ten basic body systems. The body is also studied through comparative study of a vertebrate organism as a whole as well as individual parts through dissection and microscope viewing.

Anatomy and Physiology is recommended for those students who have completed general Biology with good grades.

407	Integrated Science One Year Course	Credit – 1 Unit Elective: 10	Pre-requisite: Science 9
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Integrated Science incorporates topics from all areas of science. The course will enhance areas previously covered as well as expanding into new areas of science. This course is designed to bring study skills and refreshment to those who found 9th grade science challenging.

SOCIAL STUDIES DEPARTMENT

450	World History One Year Course	Credit – 1 Unit Required: 9	Pre-requisites: None
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This course utilizes the period of World History integrated with American sidelights to provide a context for the six strands of social studies. Specific attention will be given to the time period of 1787-1919, which provides excellent opportunities for learners to investigate the backgrounds for today's issues.

453	American History One Year Course	Credit – 1 Unit Required: 10	Pre-requisites: 1 Yr. History
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This integrated social studies course utilizes significant American events from the six strands of the social studies program. Emphasis will be on the time period from 1900 to present and will be studies within the realm of world events. This year provides learners with the opportunity to extend and clarify perspectives gained in previous years as they examine the issues of the 20th century and speculate on the prospects for the twenty-first century.

457	Am. Government One Year Course	Credit – 1 Unit Required: 11	Pre-requisites: World History, Am. History
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American Government is a one year course, which covers the historical development of the American constitution, political parties, the election process, the judicial, legislative, and executive branches of government, and the basic political principles on which American democracy is based.

459	Applied Economics Semester Course	Credit – ½ Unit Required: 12	Pre-requisites: None
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Economics begins with an emphasis on the basic economic problems faced by all societies. A major part of the course will be a study of changing worldwide economic systems and the role of individuals in this system as producers, consumers, and citizens.

460	Sociology Semester Course	Credit – ½ Unit Required: 12	Pre-requisites: None
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A survey of the basic concepts, methods, principles used in the scientific study of human interaction. Emphasis is on such sociological concepts as socialization, social stratification, social organization, minority groups, and social change. Includes population, social change, and social institutions (family, education, religion, political system, economic system).

HOME ECONOMICS DEPARTMENT

600/ 601	Home Ec I (Personal Dev./Res. Mgmt.) One Year Course	Credit – 1 Unit Elective: 9-12	Pre-requisites: None
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The purpose of this course is to help young people become better home members as it presents a broad introduction to Family and Consumers Sciences. The subject matter presented provides learning in personal, social, and family relationships as well as developing skills in homemaking. Included are fundamentals of good nutrition and meal preparation; selection, care, and construction of clothing; care of infants; consumerism, and interior decorating. Students will also be responsible for purchasing sewing supplies for class in November. These projects range in price between \$35.00 - \$50.00 depending on the projects the students choose.

602/ 568	Home Ec II (Family Relations/ Nutrition & Wellness) One Year Course	Credit – 1 Unit Elective: 10-12	Pre-requisites: Home Ec I
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The second year of Home Economics is a continuation of learning experiences in the field of Family and Consumer Sciences. This course stresses a high degree of performance in the study of nutrition, clothing construction and family life. There will be an area of emphasizing personal financing; choosing, equipping, and managing a home environment. Students will also be

responsible for purchasing fabric for their sewing projects. The cost of these projects will vary depending on the fabric and the project the students choose. This fabric will be purchased in October.

563A Parenting Semester Course	Credit – ½ Unit Elective: 11-12	Pre-requisites: None
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This course focuses on the understanding and importance of parenting. The course includes pre-natal care as well as guidance of children through adolescence. This course is aimed not only at future parents, but future care-givers and educators.

568A Nutrition & Wellness Semester Course	Credit – ½ Unit Elective: 11-12	Pre-requisites: Home Ec I
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This course will be a sequel to Home Economics I. It will include more advanced gourmet, foreign, and ethnic foods. If a student has taken Home Ec II, they may not take Nutrition & Wellness.

569A Life Planning Semester Course	Credit – ½ Unit Elective: 11-12	Pre-requisites: None
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This class is open to juniors and seniors. This course is a practical mini-course designed for those seniors who feel a need for help in foods (planning, buying, preparing, and serving) and consumer help in buying home, automobile and finances. There will also be help in managing and choosing a place to live.

OCCUPATIONAL WORK EXPERIENCE

61 OWE Related One Year Course	Credit – 2 Units Elective: 10-12	Pre-requisites: Permission of Coordinator and Principal
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This class is designed to introduce the student to methods of obtaining and holding a job, as well as those of personal finance. Job safety is stressed throughout the program in conjunction with the students' work study. Field trips and fund raising activities are also part of the program.

60 OWE Work One Year Course	Credit – 2 Units Elective: 10-12	Pre-requisites: Must be in OWE Related
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A structured and supervised paid work experience that must average fifteen hours per week during each grading term.

62 OWE Math One Year Course	Credit – 1 Unit Elective: 10-12	Pre-requisites: Must be in OWE Related
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Designed to review basic skills and functions. Consumer problems of retail pricing, figuring wages, etc. are covered.

Note: An O.W.E. student may be assigned as needed to other classes.

APOLLO CAREER CENTER

525	Apollo One/Two Year Course	Credit – 7 Units Elective: 11-12	Pre-requisites: 2 Yr. High School 7 Credits
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A student should be an incoming junior with all academic requirements met prior to attending Apollo. Information (about Apollo) is available to students through the tenth grade "Hands On" experience, a video and pamphlets, available on request from the Guidance Office.

Freshman considering Apollo for their Junior year should consider the O.W.E. program for their sophomore year at Bluffton High School. Students wishing to attend Apollo must register for one of the following courses:

- Administrative Assistant
- Automotive Collision Technology
- Automotive Technology
- Building Maintenance
- Carpentry
- Commercial Food Operations
- *Computer Assisted Drafting
- *Computer Network Support
- Construction Equipment Operations
- Cosmetology
- Early Childhood Education
- *E-Commerce
- Electricity
- Floral Design
- Graphic Communications
- *Health Careers
- *Internet Design Technologies
- *Landscape/Turf Management-work oriented
- *Manufacturing Engineering Technologies
- Marketing Management
- Precision Machining
- Restaurant Management Technology
- Welding and Fabrication

*Tech Prep programs. Additional training after high school will be needed to gain meaningful employment. Acceptance into Tech programs requires a passing grade in Algebra I.

