

# WHEELER HIGH SCHOOL



**ELECTIVE OFFERINGS**  
**2010-2011**

# 2010-2011 WHEELER HIGH SCHOOL ELECTIVE CATALOG

## FINE ARTS--VISUAL ART

COURSE #	COURSE/ DESCRIPTION	GRADE	CREDIT	PREREQUISITE
50.0211099	BASIC VISUAL ARTS COMPREHENSIVE: This course is open to any student with an interest in art. This is a full block class that gives the student an in depth studio experience and art history background on which to build. Areas of study include drawing, painting, pottery, printmaking, and color theory.	9-12	1 UNIT	Application Process
50.0313099	DRAWING/PAINTING IY: This course is open to students with solid drawing skills. Painting techniques are introduced with various subject matter examined. Weekly sketchbook assignments add to students' problem solving skills. The second part of this course explores a more stylized approach to subject matter & materials.	9-12	1 UNIT	Application Required
50.0314099	DRAWING & PAINTING II: The course enhances level-one drawing and painting skills and provides opportunities to apply techniques in a variety of media. Stresses critical analysis of master paintings and drawings of different styles and historical periods: emphasizes problem solving techniques to improve mastery of materials.	10-12	1 UNIT	Drawing & Painting I & Teacher Recommendation
50.072199	COMPUTER GRAPHICS: This course introduces graphic design as seen in advertising, posters, package design, logos, and illustration. Designs will be done using the Photoshop software, based on compositional design skills enhanced from Basic Art. Both historical and contemporary commercial art will be studied.	10-12	1 UNIT	Visual Arts/Comprehensive I & Teacher Recommendation
50.0411099	CERAMICS IY: This is an introductory class to hand built ceramics. Students will use red and white earthenware, learn primitive and electric firings and investigate glazing techniques. The second half of this class focuses on advanced techniques including time on the potter's wheel.	9-12	1 UNIT	Visual Arts /Comprehensive I & Teacher Recommendation

50.0412099	CERAMICS II: This class enhances level one skills and provides opportunities to apply design techniques in clay through hand building and/or throwing on the potter's wheel. Introduces formulation of glazes and kiln firing; stresses evaluation of clay forms through critiques.	10-12	1 UNIT	Ceramics I & Teacher Recommendation
50.0611099	SCULPTURE IY: In this class additive and reductive techniques are taught using diverse materials including clay, plaster, and soapstone, found objects, and metal. A further emphasis on Sculpture in the history of Art will be emphasized.	11-12	1 UNIT	Visual Arts /Comprehensive I & Teacher Recommendation
50.0612099	SCULPTURE II: This class enhances level one skills and explores the design and production of relief sculpture and sculpture in the round Emphasizes the historical origins and function of sculpture in the Western and Non- Western cultures. Introduces more complex techniques of construction and exploration of materials in additive and subtractive techniques.	11-12	1 UNIT	Sculpture I & Teacher Recommendation
50.0813095	AP STUDIO ART 2-D DESIGN Y: This class conforms to College Board's topics for the Advanced Placement Studio Art 2-D Design Portfolio Examination. Requires submission of original works & slides to be evaluated on quality, breadth & concentration of a concept or idea. Emphasizes experiences in 2-D Design art production which might include (but not limited to) photography, printmaking & computer generated work. This course provides students with college-level studio experiences and encourages self-expression.	10-12	1 UNIT  1 QP	Comprehensive plus Ceramics I Sculpture I Teacher Rec.
50.0814095	AP STUDIO 3-D DESIGN Y: This class conforms to College Board's topics for the Advanced Placement Studio Art 2-D Design Portfolio Examination. Requires submission of original works & slides to be evaluated on quality, breadth & concentration of a concept or idea. Emphasizes experiences using different 3-D design, media and approaches. This course provides students with college level studio experiences and encourages self expression.	10-12	1 UNIT  1 QP	Comprehensive plus Drawing & Painting I & II or Photography I & II Teacher Rec.

<b>COURSE #</b>	<b>COURSE /DESCRIPTION</b>	<b>GRADE</b>	<b>CREDIT</b>	<b>PREREQUISITE</b>
50.0811095	AP STUDIO—DRAWING Y: This class conforms to College Board’s topics for the Advanced Placement Studio Art Drawing portfolio Examination. Requires submission of original works & slides to be evaluated on quality, breadth & concentration of a concept or idea. Emphasizes experiences using different 3-D design, media and approaches. This course provides students with college level studio experiences and encourages self expression.	10-12	1 UNIT  1 QP	Comprehensive  plus Drawing & Painting  I & II  Teacher Rec.
0.0711099	PHOTOGRAPHY IY: This course intends to introduce students to photographic equipment, materials, processes and philosophy. Includes experiments with pinhole cameras, historical techniques, photographic paper, film, 35 mm camera operation, film processing, enlarging and presentation of images. Some outside of class time will be necessary. Students must have a single lens reflex 35mm camera.	9-12	1 UNIT	Visual Arts/ Comprehensive I & Teacher Recommendation
0.0712099	ADVANCED PHOTOGRAPHY II: This course intends to continue students’ education onto photographic equipment, materials, processes and philosophy. Special emphasis is given to projects involving historical exploration, camera vision, and conceptual ideas. Students will explore multiple photographic styles including commercial and fine art uses of photographic expression. They will work toward the creation of a finished portfolio of images. Some outside of class time will be necessary. Students must have a single lens reflex 35mm camera.	11-12	1 UNIT	Visual Arts/ Comprehensive I Photography IY Teacher Approval

### FINE ARTS—MUSIC

<b>COURSE #</b>	<b>COURSE /DESCRIPTION</b>	<b>GRADE</b>	<b>CREDIT</b>	<b>PREREQUISITE</b>
	CHORALE (INTERMEDIATE MIXED CHORUS): Open to students in all grade levels. This class meets year round on the 3 <sup>rd</sup> A/B schedule. Magnet students and others who need to take this class as a skinny may do so. Students are strongly encouraged to take both the A class and the B class if possible, so as to meet every day. No audition and no singing experience needed. This course will teach the fundamentals of music theory, sight-reading, and vocal techniques.	9-12	.5 UNIT  EACH	NONE

COURSE #	COURSE /DESCRIPTION	GRADE	CREDIT	PREREQUISITE
	SPIRITO (ADVANCED WOMENS CHOIR): Advanced Choral performance class for female voices with previous choral music experience. Students will continue to advance their skills in tone production, intonation, music reading, diction, music theory, and group balance and blend.	10-12	1 UNIT	AUDITION & Teacher Rec.
	CHORALE (ADVANCED MIXED CHORUS): Open to student in all grade levels. This class meets year round on the 3 <sup>rd</sup> A/B schedule. Magnet students and other who need to take this class as a skinny may do so. Students are strongly encouraged to take both the A class and the B class if possible, so as to meet every day. No audition and no singing experience needed. This course will teach the fundamentals of music theory, sight-reading, and vocal techniques.	9-12	1 UNIT	AUDITION
	BEL VOCE (ADVANCED CHORAL ENSEMBLE): Advanced Choral Performance class for mixed voices with previous training in choral music. Students will continue to advance their skills in tone production, intonation, diction, music reading, music theory, and balance and blend. <i>Students in Bel Voce may audition for the co-curricular a cappella choir.</i>	10-12 Men and 11- 12 Women	1 UNIT	AUDITION
	CONCERT BAND- WOODWINDS: This course focuses on fundamental techniques of the woodwind instruments. These techniques will be applied to concert band literature appropriate to the level of student achievement.	9-12	1 UNIT	East Cobb Band
	CONCERT BAND- BRASS/PERCUSSION: This course focuses on fundamental techniques of the brass and percussion instruments. These techniques will be applied to concert band literature appropriate to the level of student achievement.	9-12	1 UNIT	East Cobb Band
	SYMPHONIC BAND: This course focuses on intermediate musical concepts for all band instruments. These concepts are applied to concert band literature appropriate to the level of student achievement	9-12	.5 UNIT EACH	Audition
	WIND ENSEMBLE (ADVANCED BAND): This course focuses on advanced musical concepts for all band instruments. These concepts are applied to concert band literature appropriate to the level of student achievement.	9-12	.5 UNIT EACH	Audition Required

<b>COURSE #</b>	<b>COURSE /DESCRIPTION</b>	<b>GRADE</b>	<b>CREDIT</b>	<b>PREREQUISITE</b>
	CONCERT BAND: This course focuses on fundamental techniques of all band instruments. These techniques will be applied to concert band literature appropriate to the level of student achievement.	11-12	1 UNIT	Audition or Teacher Rec.
53.0210099	MUSIC THEORY AND COMPOSITION: This is a study of the rudiments and vocabulary of music. Topics will include notation, intervals, scales, chord construction, melodic and rhythmic dictation, four-part writing, and ear-training. Structures of music will be studied so students are able to analyze the music that they play, to understand compositional techniques, and to compose music of their own. Students will apply the knowledge that they gain to their own instruments. The course will involve class discussions and individual and group projects.	10-12	1 UNIT	NONE
53.0230095	AP MUSIC THEORY: This is the school's advanced placement music theory course. This class analyzes and composes music from the classical period and studies its influence on current music trends.	11-12	1 UNIT 1 QP	Basic knowledge of written music and AP teacher approval
53.0140099	MUSIC APPRECIATION: Students will explore all aspects of music in varying cultures, spanning ancient history through contemporary times.	9-12	1 UNIT	NONE
	BEGINNING ORCHESTRA I: this course gives students a chance to begin playing a string instrument. They will have an opportunity to audition for Philharmonia Orchestra in the spring.	9-12	1 UNIT	NONE
	SINFONIA/INTERMEDIATE ORCHESTRA: This orchestra focuses on review of technical and musical concepts at the intermediate level. These are then transferred to orchestral literature and performed throughout the year.	9-12	1 UNIT	AUDITION or Teacher Approval
	CHAMBER/ADVANCED ORCHESTRA: This orchestra focuses on more advanced skills and literature. This select group of students must meet specified playing requirements to enroll.	9-12	1 UNIT	AUDITION or Teacher Approval
	PHILHARMONIA/BEGINNING ORCHESTRA II: This course focuses on musical and technical concepts at a beginning level. These are then transferred to orchestral literature and performed throughout the year.	9-12	1 UNIT	Participating in middle school orchestra
	PHILHARMONIA/BEGINNING ORCHESTRA III: See Mr. Wasson	9-12	1 UNIT	Phil/Beginning Orchestra II or Teacher Approval

## FINE ARTS--DRAMA

COURSE #	COURSE /DESCRIPTION	GRADE	CREDIT	PREREQUISITE
52.0610099	ACTING I Y (INTRO TO THEATRE): This course serves as the prerequisite for other theatre courses. It will include the study and application of stage movement, pantomime, vocal techniques, improvisation, and character development. Composition will be integrated through script writing of scenes for principle application. Personal growth/skill will be assessed through solo/group performances.	9-12	1 UNIT	NONE
52.0620099	ACTING II Y: This course will enhance introductory acting skills with character study and scene work. Through utilization of scene study, play analysis, and higher-level improvisation, this class will focus on scene strategies for actors working in scenes together. Tempo strategies, creative blocking and stage business, staging of unusual scene elements, and stage combat techniques will be included.	9-12	1 UNIT	Acting I
52.0210099	ADVANCED FUNDAMENTALS OF DRAMA Y: This is a course that develops advanced acting skills with a focus on character/scene study and monologue/scene work. Students will be introduced to audition and resume skills. This course offers the opportunity to utilize scene work and audition techniques through performance opportunities.	10-12	1 UNIT	Acting I (Intro to Theatre)
52.0220099	FUNDAMENTALS OF DRAMA Y (CHILDREN'S THEATRE): This course offers advanced theatre students a performance opportunity by performing a play designed for an audience of children. Students will learn the techniques for performing for children and will participate in all aspects of the production process. Composition may be included through the scripting of a children's play. The course will culminate in the production for an audience of children.	10-12	1 UNIT	Advanced Theatre, Technical Theatre, or Teacher approval
52.0410099 52.0420099 52.0430099 52.0440099	TECHNICAL THEATRE I-IV Y: This class introduce the technical aspects of play production including set design and construction, properties, lighting/sound design, box office and business management, publicity, make-up design, and costume design/construction. Students will have a hands-on experience in all of these areas by providing the technical needs for current productions.	9-12	1 UNIT per course	Alg. I Recommended

<b>COURSE #</b>	<b>COURSE/ DESCRIPTION</b>	<b>GRADE</b>	<b>CREDIT</b>	<b>PREREQUISITE</b>
52.0510099	ADVANCED DRAMA I Y (PLAY PRODUCTION): This class reinforces skills developed in fundamentals of Drama III. Students will be given the opportunity to select, produce, and perform in student-directed one-act plays of a full-length production.	10-12	1 UNIT	Advanced Theatre, Technical Theatre, or Teacher approval

## JOURNALISM

<b>COURSE #</b>	<b>COURSE /DESCRIPTION</b>	<b>GRADE</b>	<b>CREDIT</b>	<b>PREREQUISITE</b>
23.0320096 (A) 23.0320097 (B)	ADVANCED NEWSPAPER JOURNALISM: alternating course 3 <sup>rd</sup> period for advanced newspaper students	10-12	1 UNIT	Intro & Teacher Rec.
23.0330008 (A) 23.0330009 (B)	ADVANCED ANNUAL JOURNALISM: alternating course 3 <sup>rd</sup> period for advanced newspaper students	10-12	1 UNIT	Intro & Teacher Recommendation
23.0320099 FALL ONLY	JOURNALISM/NEWSPAPER I Y: This course explores journalistic writing through analysis of the newspaper. It concentrates on purpose, influence, and structure and language use. It also covers news-gathering, ethics, copyrighting, editing and revising. It will include typesetting, circulation and production as minor aspects.	9-12	1 UNIT	Teacher Recommendation
23.0320011 FALL ONLY	JOURNALISM/ANNUAL I Y: This course explores writing through the analysis of yearbooks. It concentrates on purpose, influence, and structure and language use. It also covers news-gathering, ethics, copyrighting, editing and revising. . It will include typesetting, circulation and production as minor aspects.	9-12	1 UNIT	NONE
23.0330011 23.0350011 23.0360011	ADVANCED JOURNALISM ANNUAL II, III, AND IV: Upper level annual courses for students pursuing excellence in annual journalism.	10-12	1 UNIT	Intro to Journalism Teacher approval
23.0330099 23.0350099 23.0360099	ADVANCED JOURNALISM NEWSPAPER II, III, AND IV: Upper level newspaper courses for students pursuing excellence in newspaper journalism.	10-12	1 UNIT	Intro to Journalism Teacher approval

## PHYSICAL EDUCATION

COURSE #	COURSE/DESCRIPTION	GRADE	CREDIT	PREREQUISITE
36.0110099	GENERAL PHLYSICAL EDUCATION: This course focuses and enhances skills in any combination or variety of team sports, lifetime sports, track and field events, outdoor education, experiences, rhythmic/dance, recreational games, gymnastics, and self-defense. It further promotes methods to attain a healthy and active lifestyle. The General Physical Educations courses may be used as pre-requisites to other course offerings (i.e. team sports, lifetime sports).	9-12	1 UNIT	
17.0110098 Health .5 36.0510098 Fitness .5	HEALTH/FITNESS Y: A course designed to develop a higher state of wellness through an understanding of preventive health strategies and health related fitness. Students spend classroom time learning knowledge and concepts that serve as the foundation for the development of overall wellness and activity time involved in a fitness program. Emphasis is placed on the decision-making process and preventive health care. <b><i>This course is required for graduation.</i></b>	11-12	.5 Health  .5 Fitness	NONE
17.9110014 17.951004 (T)	HEALTH/FITNESS Y (T): This course has the same content as Health/Fitness Y. <b><i>This course is required for graduation.</i></b> This section of regular physical education is team taught with a special education teacher to make indicated adjustments in methodology and/or management.	11-12	.5 Health .5 Fitness	IEP
36.0560099	BODY SCULPTING: This course is designed to help students tone and shape their bodies through the use of strength training. The main emphasis will be on the proper use of free weights. Cardiovascular and flexibility development will also be emphasized.	9-12	1 UNIT	NONE
36.0530096	AEROBIC DANCE: This course is designed to help students tone and shape their bodies through aerobics. Cardiovascular and flexibility development will be emphasized.	9-12	1 UNIT	NONE
36.0250099	INTRO OUTDOOR EDUCATION Y: This course is designed to introduce students to fundamental backpacking and camping skills to include environmental considerations, personal safety, and survival skills associated with adventure activities. Activities will include archery, fishing, compass reading, fire building, food gathering techniques, and survival skills. This class is performance based. The students should be prepared to go outside everyday and utilize the skills they have been taught.	9-12	1 UNIT	NONE

36.0230099	INTRODUCTORY TRACK & FIELD: This course introduces the history, rules and basic skills involved in the various track and field events including: hurdles, shot-put, high jump, relays, javelin throw, long jump, sprints, and distance events.	9-12	1 UNIT	NONE
36.0290099	INTRODUCTORY SELF-DEFENSE: This course introduces basic self-defense with practical application to everyday life. It covers traditional self-defense methods and techniques including judo and karate. It addresses the differences between the various martial arts and their contributions to both sports and self-defense.	10-12	.1 UNIT	NONE
36.0540099	WEIGHT TRAINING: is designed to introduce students to a weight-training program that will promote over-all body fitness. The student will be exposed to different types of weight equipment and methods of training with weights. The student will also gain knowledge of the different types of exercises, correct techniques of executing the various exercises, proper breathing, and the safety factors involved in spotting.?	9-12	1 UNIT	NONE
36.0640099 Spring	ADV. WEIGHT TRAINING: is designed to introduce students to a weight-training program that will promote over-all body fitness. The student will be exposed to different types of weight equipment and methods of training with weights. The student will also gain knowledge of the different types of exercises, correct techniques of executing the various exercises, proper breathing, and the safety factors involved in spotting.	9-12	1 UNIT	NONE

## **CAREER, TECHNICAL, AND AGRICULTURAL EDUCATION**

**FOR JUNIORS AND SENIORS ONLY:** To receive the Technology diploma or dual diploma, one must take 4 courses from the Technology & Career area with 3 of the 4 courses from one program of study. The different programs of study offered at Wheeler are indicated in the following course descriptions. It is recommended that all students should be a pathway completer in order to increase their workplace readiness. Beginning in 2010-2011, all seniors will be given the Governor's Work Ready Certification test.

<b>COURSE #</b>	<b>COURSE/ DESCRIPTION</b>	<b>GRADE</b>	<b>CREDIT</b>	<b>PREREQUISITE</b>
	<b>SMALL BUS., ACCOUNTING, FINANCIAL MGT. INTERACTIVE MEDIA, ADMINISTRATIVE SUPPORT CAREER PATHWAYS</b>			
07.4411099	COMPUTER APPLICATIONS: This course is a foundation course that introduces practical computer applications. This is the prerequisite for students who plan to take the Interactive Media, Computer Science or Administrative Support pathway or any students who have not taken the Business Exploratory in middle school or have had no keyboarding classes.	9-12	1 UNIT	NONE <b>Prerequisite for Interactive Media, Administrative Support and Computer Science Pathways</b>
06.4160099	BUSINESS ESSENTIALS: This is the foundations course for many of the Career Pathways in Business Education. Topics include owning and operating your own business, building a strong knowledge base and develop management skills as different forms of business ownership are studied, functions of management, financial management, technology, communications, legislative regulations, and community involvement. Project-based activities will prepare students for the global marketplace.	9-12	1 UNIT	NONE <b>Prerequisite for Accounting, Small Business Development, and Financial Mgt.Pathways</b>
	<b>ADMINISTRATIVE SUPPORT PATHWAY</b>			
07.4411099	COMPUTER APPLICATIONS I: This course is a foundation course that introduces practical computer applications. The course provides an understanding and application of social, ethical, and human issues related to technology. Computer technology, decision-making, productivity, communications, and problem-solving skills will be provided as students learn computer applications, integration of word processing, desktop publishing, spreadsheet, database, and presentation software. Recommended as the <b>first course</b> for all students who plan to take the Interactive Media, Computer Science or Administrative Support pathway or any students who have not taken the Business Exploratory in middle school or have had no keyboarding classes.	9-12	1 UNIT	NONE
07.4412099	COMPUTER APPLICATIONS II: This course is a continuation of Computer Applications I and provides students with opportunities to enhance their computer technology, decision-making, productivity, communication, and problem-solving skills through the use of advanced computer applications. This is the second course in the Administrative Support pathway.	10-12	1 UNIT	Computer Applications I

07.4831099	<b>BUSINESS COMMUNICATION &amp; PRESENTATION:</b> This course provides students with an understanding of communication skills and current and upcoming technology and its impact personally and professionally. Students will develop oral and written communications, interpersonal skills	10-12	1 UNIT	Computer Applications II
	<b>SMALL BUSINESS DEVELOPMENT PATHWAY</b>			
06.4150099	<b>LEGAL ENVIRONMENT OF BUSINESS (BUSINESS LAW):</b> This course concentrates on the legal aspects of business ownership and management. Legal issues will include contracts, sales, consumer law, agency and employment law, personal and real property, risk management, environmental law, and government effects on business. The impact of ethics on business operations will be studied. International business principles are infused in the standards for Legal Environment of Business.	10-12	1 UNIT	Business Essentials
07.4811099	<b>ENTREPRENEURIAL VENTURES:</b> This is the third course in the Small Business Development Career Pathway. This course concentrates on the management skills necessary for successful business operation. Students will study management strategies for developing and implementing business plans; structuring the organization; financing the organization; and managing information, operations, marketing and human resources. International business principles are infused in the standards for Entrepreneurial Ventures. An integral component of the Entrepreneurial Ventures course is a school-based or community-based entrepreneurial venture that will engage students in the creation and management of a business and the challenges of being a small business owner.	10-12	1 UNIT	Business Essentials
06.4143099	<b>INTERNATIONAL BUSINESS &amp; MARKETING:</b> Students will understand the fundamental concepts of international business and marketing and the various factors that influence the international business environment. The course will focus on raising awareness of the interrelatedness of one country's political policies and economic practices to another; learning to improve international business relations through appropriate communication strategies; understanding the global business environment and the interconnectedness of cultural, political, legal, economic, and ethical systems; identifying forms of business ownership and international business opportunities; exploring basic concepts underlying international finance, management, and trade relations; and developing an understanding of marketing functions in an international setting.	10-12	1 UNIT	Business Essentials

	<b>ACCOUNTING CAREER PATHWAY</b>			
07.4110099	ACCOUNTING I Y: Accounting I is an overview of the accounting cycle for all business types. It introduces the students to accounting concepts, principles, and procedures. The course emphasizes the skills, knowledge, and attitudes necessary for individuals to conduct personal business or to further their education in the field of accounting. Automated and manual problems will simulate the working environment.	10-12	1 UNIT	Business Essentials
07.4120099	ACCOUNTING II Y: Accounting II provides the student an opportunity to review and further develop the fundamental accounting principles using technology. The course helps students develop additional skills in applying principles used in accounting systems and methods commonly found in business. Accounting II is designed for students interested in continuing their education at the post-secondary level or entering the workforce.	10-12	1 UNIT	Accounting I Y
07.4211099	BANKING AND INVESTING: Using project-based instruction, students are introduced to the basics of the banking system, bank operating procedures, negotiable instruments, and the deposit and credit functions of banks. Methods used for measuring the financial performance of banks are analyzed. Current issues and future trends in banking are examined. Students formulate business and individual investment decisions by comparing and contrasting a variety of investment options. This is the last year this course will be offered. <u>This is the last year that this course will be offered.</u>	10-12	1 UNIT	Business Essentials
	<b>INTERACTIVE MEDIA PATHWAY</b>			
11.4310099	FUNDAMENTALS WEB DESIGN: Webpage Design includes the creation and design of web pages using elements such as hyperlinks, tables, frames and cascading style sheets. Students will also enhance their skills in Internet usage and research, multimedia presentations, and graphics.	10-12	1 UNIT	Computer Applications I
11.4320099	ADVANCED WEB DESIGN: This course provides students with the study of advanced topics in web design. The course will utilize advanced multimedia tools. Emphasis will be placed on higher order thinking and problem solving skills within the context of real world applications.	10-12	1 UNIT	Fundamentals of Web Design
11.4280099	INTRODUCTION TO ANIMATION AND 3D DESIGN Y: This course utilizes the skills mastered in Advanced Web Design. The course will utilize multimedia tools including 3D animation and digital video. Emphasis will be placed on higher order thinking and problem solving skills within the context of real world applications.	10-12	1 UNIT	Advanced Web Design

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	<b>COMPUTER SCIENCE CAREER PATHWAY</b>			
11.4180099	<p><b>BEGINNING PROGRAMMING:</b> This is an introductory course in the beginning concepts of object oriented programming, analysis, design and implementation. Students will learn how to create applications using the Visual Basic.NET programming language. Some of the useful and fun applications created include: the math/science equation calculator, flash card math game, slot machine, blackjack, stopwatch, hangman, capital city quiz, face catch and battle bricks paddle game. In addition, Alice 3D programming application will be utilized to reinforce object oriented programming concepts. Alice is designed to teach programming in a unique way using a virtual world with objects to make movies and games. This is the second course in the Computing Programming Pathway.</p>	10-12	1 UNIT	Completion of Math I with a C or higher.
11.4210099	<p><b>INTERMEDIATE PROGRAMMING (Gaming Projects):</b> The focus of the course is on the features that support the design and implementation of well-structured programs that are easy to read and maintain. Database overview and integration of database is also part of this course. This course covers the design and implementation of Java programs for the first 9 weeks. The second 9 weeks is project based assignments and is not language specific. These projects may include Gaming (C++), Web Programming (Java, JavaScript) and/or Java GUI (Graphical User Interface) with a database. This is the third course in the Computing Programming Pathway.</p>	10-12	1 UNIT	Algebra I or Math I and Beginning Programming

COURSE #	COURSE /DESCRIPTION	GRADE	CREDIT	PREREQUISITE
11.4260099	INFORMATION SYSTEMS MANAGEMENT (ORACLE): Oracle database is a popular, industry-recognized, behind the scenes application on the World Wide Web. It covers the designing of databases to meet business needs. The entering, retrieving, and manipulating of data into useful information is covered. Students will analyze case studies to identify patterns in data not obviously related and develop solutions to make a business effective. Student will use Oracle database technology and SQL (structured query language) instructions to employ a database management system, manage the implementation of the database system and develop report-preparation programs. Data Warehousing concepts such as entering and updating data, performing data retrieval and applying data will also be covered. This course prepares students to take the Introduction to Oracle 10li-SQL certification exam.	10-12	1 UNIT	Beginning Programming
11.0170095	AP COMPUTER SCIENCE Y: AP Computer Science is a one-unit course that emphasizes programming methodology and data abstractions. It takes an object-oriented approach to programming based on encapsulating procedures and data. AP Computer Science is taken in order to prepare students to take the College Board AP Computer Science A exam. This course uses the Java programming language.	11-12	1 UNIT 1 QP	Math II Beginning Programming, 3.5 GPA & Teacher Approval
<b>ENGINEERING &amp; ARCHITECTURE PATHWAYS</b>				
48.5410099	INTRO TO ENGINEERING DRAWING Y: An introductory course and a prerequisite to all other engineering design and drawing courses. Emphasis is placed on safety, correct use of tools and equipment, drafting media, sketching, lettering, fundamentals of CAD and multi-view drawings. <b>This is the first course in the Engineer Graphics &amp; Design pathway and the Architectural Drawing &amp; Design pathway.</b>	9-12	1 UNIT	Alg. I or Math I or enrolled in Accelerated Math I or II or Teacher Recommendation

<b>COURSE #</b>	<b>COURSE /DESCRIPTION</b>	<b>GRADE</b>	<b>CREDIT</b>	<b>PREREQUISITE</b>
	<b>ENGINEER GRAPHICS &amp; DESIGN CAREER PATHWAY</b>			
48.5420099	SURVEY OF ENGINEERING GRAPHICS Y: Develop skills in dimensioning, tolerancing, pictorials, sections, auxiliary views, as well as intersections and developments. CAD tools and software are used extensively throughout this course. This is the second course in the Engineer Graphics & Design pathway.	10-12	1 UNIT	Intro to Engineering Drawing Y
48.5430099	3-D MODELING AND DESIGN Y: is designed for students who are interested in mechanical drafting areas that provide more in-depth study of mechanical design. Emphasis is placed on 3-d drawings, wire frames, rendering, solid modeling, and graphic presentations. This is the third course in the Engineering Graphics & Design pathway.	11-12	1 UNIT	Survey of Engineer Drawing
48.5440099	TECHNICAL MANUFACTURING AND CONCEPTS Y: allows students to develop skills in fluid drawings, electricity/electronics, working drawings, and manufacturing process.	11-12	1 UNIT	3-D Modeling and Analysis and Teacher Approval
	<b>ARCHITECTURAL DRAWING &amp; DESIGN CAREER PATHWAY</b>			
48.5450099	ARCHITECTURAL DRAWING AND DESIGN I Y: introduces students to the basic terminology, concepts, and principles of architectural design. Emphasis is placed on house designs, floor plans, roof designs, elevations, sections, details, and foundations. This is the second course in the Engineer Drawing & Design pathway.	9-12	1 UNIT	Intro to Engineering Drawing Y
48.5460099	ARCHITECTURAL DRAWING AND DESIGN II Y: introduces students to the basic terminology, concepts, and principles of architectural design. Emphasis is placed on commercial designs, floor plans, roof designs, elevations, sections, details, and foundations. This is the second course in the Architectural Drawing & Design pathway.	10-12	1 UNIT	Intro to Engineering Drawing Y
48.5470099	STRUCTURAL DETAILING Y: This course introduces the student to the basic terminology, concepts, and principles of commercial building construction design. Areas of study include concrete, masonry, steel and wood building construction.	12	1 UNIT	Architectural Drawing & Design II and Teacher Approval

<b>COURSE #</b>	<b>COURSE /DESCRIPTION</b>	<b>GRADE</b>	<b>CREDIT</b>	<b>PREREQUISITE</b>
48.5480099	CIVIL ENGINEERING DRAWING Y: This course introduces students to the basic terminology, concepts and principles of Civil Engineering Drawing. Drawing assignments emphasize the most common mapping and civil site planning design problems.	12	1 UNIT	Architectural Drawing & Design II and Teacher Approval
	<b>ENGINEERING CAREER PATHWAY</b>			
21.4250099	FOUNDATIONS OF ENGINEERING & TECHNOLOGY: This is an introductory course for all Georgia Engineering & Technology Education pathways. This course provides students with opportunities to develop fundamental technological literacy as they learn about the history, systems, and processes of invention and innovation.	9-12	1 UNIT	Math I or enrolled in Math I Y or Accelerated Math I or II OR Teacher Recommendation
21.4710099	ENGINEERING CONCEPTS: Engineering Concepts is the second course in the Engineering Pathway. This course introduces students to the fundamental principles of engineering. Students learn about areas of specialization within engineering and engineering design, and apply engineering tools and procedures as they complete hands-on instructional activities.	9-12	1 UNIT	Fnd. of Engineering & Technology or Teacher Approval
21.4720099	ENGINEERING APPLICATIONS: Engineering Applications is the third course in the engineering pathway. Students have opportunities to apply engineering design as they develop a solution for a technological problem. Students use applications of mathematics and science to predict the success of an engineered solution and complete hands-on activities with tools, materials, and processes as they develop a working drawing and prototypes.	10-12	1 UNIT	Engineering Concepts or Teacher Approval
21.4610099	RESEARCH, DESIGN & PROJECT MANAGEMENT Y is the fourth course in the engineering pathway. This course provides students with opportunities to work with students from other pathways as a member of a design team. Research strategies, prototype testing and evaluations, and communication skills are emphasized.	11-12	1 UNIT	Completed one of the following pathways: Engineering, Electronics, Drafting or Computer Science or Teacher Rec.

COURSE #	COURSE /DESCRIPTION	GRADE	CREDIT	PREREQUISITE
	<b>ELECTRONICS/TELECOMMUNICATIONS CAREER PATHWAY</b>			
21.4520099	FUNDAMENTALS OF ELECTRONICS (Electronics I): Introduces the field of electronics; covers AC and DC circuitry and basic transistor theory and emphasizes safety procedures. Presents electronic circuits and how they control industrial equipment and processes; covers applications of semi-conductors, photoelectric devices, relays, servomechanisms and electronic heating together with digital principles and applications. Includes experiments and practical product work such as robotic interfacing with computers. Introduces careers in the fundamentals of telecommunications systems.	9-12	1 UNIT	Math I or enrolled in Math IY OR Accelerated Math I or II OR Teacher Recommendation
21.4530099	ADVANCED AC AND DC CIRCUITS: This course introduces students to the history and development of analog circuits. Students will identify and define operational characteristics and applications of amplifiers, oscillators and applications of communications circuits. II.	9-12	1UNIT	Fundamentals of Electronics
21.4540099	DIGITAL ELECTRONICS: In this class students have the opportunity to apply prior learning in electronics. Applying math and science to predict the success of an engineered solution and complete hands-on activities with tools, materials, and processes as they develop functional devices and working prototypes. Basic telephone, cable, modular connectors; central office and telephone trouble-shooting prepare students for Telecommunications. Students will construct projects (CAT 5 cable testers, coax and transmission line testers along with a fiber optic tester) that will be used in Telecommunications.	10-12	1 UNIT	Advanced AC & DC Circuits
10.5310099	TELECOMMUNICATIONS: This course is comprised of microwave receiving and transmission, global positioning systems, and data communication. The course includes extensive hands-on instruction and curriculum delivery via leading edge on-line curriculum offered by the NIDA Corporation, which is a primary supplier of United States military telecommunications training programs. This course prepares students for continued post-secondary telecommunications education and preparation in the field of electrical engineering.	10-12	1 UNIT	Digital Electronics

<b>COURSE #</b>	<b>COURSE /DESCRIPTION</b>	<b>GRADE</b>	<b>CREDIT</b>	<b>PREREQUISITE</b>
	<b>VIDEO PRODUCTIONS CAREER PATHWAY</b>			
10.5110099	VIDEO PRODUCTIONS I Y: Students will learn to write for video production, draw storyboards, operate a video camera , utilize lighting and sound techniques, edit using an iMac, produce titles, effects and sound, promote a product, create animation, and produce a television show for broadcast	9-12	1 UNIT	Application Required
10.5120099	VIDEO PRODUCTIONS II Y: Students write, film, edit and produce the weekly television show “Wildcat TV” to be shown to home rooms and on Schooltube.com each week. Students are expected to capture sports, events, skits, interviews, & ads that serve the Wheeler community. Students must meet deadlines and produce school-appropriate work.	10-12	1 UNIT	Broadcast Video I Application & Video Teacher Approval
10.513009	VIDEO PRODUCTIONS III Y: Students will work on “Wildcat TV” in a leadership capacity with opportunities to produce and perform as reporter or host for the weekly show. Students are also expected to create “The Senior Video”, a video yearbook including all events, sports & interviews that capture Seniors in their final year of high school.	11-12	1 UNIT	Broadcast Video I & II Application & Video Teacher Approval
10.5140099	VIDEO PRODUCTIONS IV Y: Students must study the history of film production, write screenplays, direct, execute all post-production using the advanced editing software Final Cut Pro, independently produce projects on location, and produce a portfolio of student work suitable for employment or post-secondary admission.			Video I Application & Video Teacher Approval
	<b>PLANT SCIENCE/HORTICULTURE CAREER PATHWAY</b>			
01.4610099	GENERAL HORTICULTURE AND PLANT SCIENCE Y: This course introduces the major concepts of plant and horticulture science. Students will learn how to plant, water, fertilize and propagate vegetables, flowers and other plants. Hands on activities in the greenhouse and on campus will prepare students with basic skills and knowledge to be used at home and on the job. This is the second course in the “Plant Science/Horticulture Career Pathway.”	9-12	1 UNIT	NONE

<b>COURSE #</b>	<b>COURSE/ DESCRIPTION</b>	<b>GRADE</b>	<b>CREDIT</b>	<b>PREREQUISITE</b>
01.4700099	NURSERY AND LANDSCAPE Y: This course is the study of basic landscape design with general emphasis on horticulture related topics including vegetables, flowers, shrubs, trees, and greenhouse production. This course provides students with the basic skills utilized by the green in nursery production and management and landscape design and management. industry. <i>This</i> is the 3rd course in the “Plant Science/Horticulture Career Pathway.	9-12	1 UNIT	General Horticulture
01.4620099	FLORICULTURE PRODUCTION & MANGEMENT: This course is the study of flowers with basic horticulture emphasis. Students will develop skill proficiencies in various techniques of floral, garden, design, landscape and greenhouse production.	9-12	1 UNIT	General Horticulture
01.4640099	NURSERY PRODUCTION & MANAGEMENT: This course is the Greenhouse Management course. The student will learn how to operate the Greenhouse and its production schedule and assist with all technical operations.	11-12	1 UNIT	Gen. Hort, Nursery & Landscape, Floriculture & Teacher Approval
	<b>FAMILY AND CONSUMER SCIENCE CAREER PATHWAY</b>			
	<b>EARLY CHILDHOOD EDUCATION PATHWAY</b>			
20.52510099	HUMAN GROWTH & DEVELOPMENT FOR EARLY CHILDHOOD: This course covers the knowledge, skills, attitudes, and behaviors regarding the growth and development of infants and children. Topics that are discussed are physical, emotional social, cognitive or mental, and moral development of children. The human needs across each age and stage of childhood as well as impacts of family and societal crisis on the development of the child will be discussed. Career opportunities in this field will be explored. This is the 1st course in the Early Childhood Educ.	9-12	1 UNIT	NONE
20.52610099	HEALTH, SAFETY & NUTRITION FOR THE YOUNG CHILD: Providing a safe and healthy learning environment for young children is the emphasis of this course. The course develops skills for employment in early childhood-related occupations. The work place skills discussed will be worth ethics, health, safety, nutrition education, certification in CPR/FIRST AIDE/FIRE SAFETY, abuse and neglect, childhood illnesses, and childhood diseases.	10-12	1 UNIT	Human, Growth & Development for Early Childhood

<b>COURSE #</b>	<b>COURSE/ DESCRIPTION</b>	<b>GRADE</b>	<b>CREDIT</b>	<b>PREREQUISITE</b>
20.5251099	EARLY CHILDHOOD EDUCATION: Early Childhood Care focuses on infancy to preschooler physical, cognitive, creative, social, emotional, and moral development of children. Topics discussed include: planning and guiding developmentally appropriate practices for working with young children including career paths, theories of child development, developmentally appropriate learning environment, relationships with others, guidance, lesson planning, cultural diversity, and students with special needs.	11-12	1 UNIT	Health, Safety & Nutrition for the Young Child
	<b>NUTRITION AND FOOD SERVICE PATHWAY</b>			
20.41610099	FOOD, NUTRITION AND WELLNESS: Food, Nutrition and Wellness teaches nutritional needs and food choices for the best health of individuals across the lifespan. This course is knowledge based in understanding the nutrient content, in understanding the development of chronic diseases, and in understanding food safety. This is the first course in the Nutrition and Food Service pathway.	9-12	1 UNIT	NONE
20.41710099	FOOD & NUTRITION THROUGH THE LIFESPAN: This is an advanced course in food and nutrition that addresses the nutritional needs at specific stages of the human life cycle such as lactating mothers, infancy, childhood, adolescence, and adulthood including old age. The most common nutritional concerns, food choices, health status and strategies to help the well-being of each stage of the lifecycle will be discussed. The careers discussed will be dietetics, consumer foods, and nutrition science careers.	10-12	1 UNIT	Food, Nutrition & Wellness
20.41810099	FOOD SCIENCE: Food science is an advanced course that discusses how to expand and improve the food supply. Students will evaluate the effects of processing, preparation, and storage of food. They will evaluate the quality, safety, wholesomeness, and nutritional value of foods. This course will build on information from chemistry and the wonders of the scientific world.	11-12	1 UNIT	Food & Nutrition Through the Lifespan

COURSE #	COURSE/ DESCRIPTION	GRADE	CREDIT	PREREQUISITE
	<b>CULINARY ARTS</b>			
20.5310099	INTRODUCTION TO CULINARY ARTS: Introduction to Culinary Arts is a course designed to introduce students to fundamental food preparation terms, concepts, and methods in Culinary Arts where laboratory practice will parallel class work, fundamental techniques, skills, and terminology are covered and mastered with an emphasis on basic kitchen and dining room safety, sanitation, equipment maintenance and operation procedures. Course also provides an overview of the professionalism in the culinary industry and career opportunities leading into a career pathway to Culinary Arts.	9-11	1 UNIT	Application Required
20.5321099	CULINARY ARTS I: Culinary Arts 1 is designed to create a complete foundation and understand of Culinary Arts leading to post secondary education or a foodservice career. Building from techniques and skills learned in Foundation of Culinary Arts, this fundamentals course beings to involve in-depth knowledge and hands on skill mastery of Culinary Arts.	10-12	1 UNIT	Intro To Culinary Arts Application Required
20.5331099	CULINARY ARTS II: Culinary Arts 2 is an advanced and rigorous in-depth course designed for the student who has continued the Culinary Arts Pathway and wishes to continue their education at the post secondary level or enter the foodservice industry as a proficient and well rounded individual. Strong importance is given to refining hands on production of the classis fundamentals in the commercial kitchen.	10-12	1 UNIT	Culinary Arts I Application Required
20.0372099 (I) 20.0382099 (II)	WORK PROGRAM FOR CULINARY ARTS: Offers a work-based curriculum through employment in a community business. Students are released daily (4th block) for community based employment/training in foodservice related job. An average of 15 on-the-job hours is required during each school week for 1 unit of credit. Only junior and senior may submit an application. Personal means of transportation to employment site is required.	11-12	1 UNIT	Culinary Arts Teacher Approval

COURSE #	COURSE/ DESCRIPTION	GRADE	CREDIT	PREREQUISITE
	<b>HEALTH OCCUPATIONS –THERAPEUTIC SERVICES CAREER PATHWAY</b>			
	<b>PRE-REQUISITE FOR MEDICAL AND EMERGENCY SERVICES PATHWAY</b>			
25.5210099	INTRO TO HEALTHCARE SCIENCE: This course is a foundation course for ALL of the Healthcare Science courses offered at Wheeler High School. It is designed to introduce students to a variety of healthcare delivery systems and the career opportunities available in each. It also helps students develop skills and attitudes necessary to succeed in the healthcare industry. Students will learn medical terminology, microbiology, and safety skills regulated by OSHA. Students will also learn basic first aid and basic life support. <b>This is the first course in the Medical Services and Emergency Services pathways.</b>	9-12	1 UNIT	NONE
	<b>MEDICAL SERVICES PATHWAY</b>			
25.5220099	APPLICATIONS OF THERAPEUTIC SERVICES: This is an intermediate or second level course in the therapeutic services pathway and is designed to provide an overall framework of skills necessary for direct patient care. Assessment techniques such as vital signs, first aid, and basic life support for infants, children, and adults are covered. The functions and pathophysiology of each body system is explored in greater detail	10-12	1 UNIT	Intro to Healthcare Science
25.5250099	GENERAL MEDICINE: This course is designed to introduce students to each of the major departments of the average acute care setting/hospital including but not limited to; Orthopedics, Cardiology, Diagnostic Imaging, MedSurg, Gastroenterology, Urology, and Customer Care Services. Students may participate in a work-based learning program with a minimum 40-hour clinical practicum.	11-12	1 UNIT	Applications of Healthcare Science
	<b>EMERGENCY SERVICES PATHWAY</b>			
25.5640099	EMERGENCY AND DISASTER PREPAREDNESS: This course is designed to introduce students to the world of pre-hospital emergency care and develop in them skills necessary for dealing with disasters and emergency situations. This course covers topics such as Disaster Psychology, Medical Assistance, Search/Rescue Techniques, and Fire Chemistry. Students demonstrate knowledge of skills obtained through participation in simulated disaster scenarios.	10-12	1 UNIT	Intro to Healthcare Science

COURSE #	COURSE/ DESCRIPTION	GRADE	CREDIT	PREREQUISITE
25.5620099	<p>CONCEPTS OF EMERGENCY MEDICINE: This course offers the student a comprehensive view of pre-hospital/emergency care. Students will follow the curriculum established by the D.O.T. for First Responders. Students will be involved in mock scenarios involving triage/mass casualty, extrication of victims in complex access situations. Patient assessment, stabilization and treatment of victims of sudden illness or injury will be covered. Students will be required to meet standards and professional guidelines set forth by Occupational Health and Safety Administration (OSHA) and the National Registry of Emergency Medical Technicians (NREMT), and the Health Insurance Portability Act of 1996 (HIPAA).</p>	11-12	1 UNIT	Emergency & Disaster Preparedness
	<b>JROTC CAREER PATHWAY</b>			
	<b>JROTC is a full year program. Students must register for one course each semester.</b>			
28.4110099	<p>JROTC Air Force I: This course begins the study and practice of leadership. This includes military heritage, organization, traditions and their relationship to the mission of business and the importance of teamwork. Personal behavior and responsibility are studied to develop ethics and time management skills. The examination of flight and its relationship to current events begins with the heritage of flight and proceeds through WWII.</p>	9-10	1 UNIT	Approval of ROTC instructors
28.4120099	<p>JROTC Air Force II: The study and practice of leadership continues with the study of government and citizenship in the United States to include customs, courtesies duties and rights, and different forms of government throughout the world. The study of aviation history also continues with the post WWII years and progresses through Desert Shield/Desert Storm.</p>	9-10	1 UNIT	JROTC Air Force I and Approval of ROTC instructors
2840130099	<p>JROTC Air Force III: Intercommunication skills and corps activities are emphasized in this year of leadership study. The course begins with developing an understanding of the purpose of and preparing oral and written communication. Study develops understanding of individual behavior to include personality, emotions, defense mechanism, and value systems. Aerospace sciences are also studied. The cadet begins with developing knowledge of the atmosphere and proceeds through weather elements, forecasting, physiology of flight, aerospace medicine, human engineering, and the development of protective equipment and simulators.</p>	10-12	1 UNIT	AFJROTC II or Departmental Recommendation

COURSE #	COURSE/ DESCRIPTION	GRADE	CREDIT	PREREQUISITE
28.4140099	JROTC Air Force IV: Intercommunication and corps skills development continues. Emphasis is placed on understanding group behavior and basic leadership concepts. Study begins with qualities and principles necessary for effective leadership and continues through situational leadership, follower ship and building teamwork. Aerospace science begins with basic aeronautics and continues through understanding aircraft motion and control. Basic engine principles, facts and general operating principles of rocket engines, civilian and military aerospace vehicles, and principles of navigation.	10-12	1 UNIT	AFJROTC III or Departmental recommendation
28.4150099	JROTC Air Force V: Leadership education emphasized life skills. Study begins with understanding benefits of higher education and the importance of obtaining a higher degree or skill after high school to include development of an understanding of the college selection process and financial aide. Emphasis then moves to the job search. Comprehension of the job search process and the skills requirements to the application process are the foundation used to develop resume skills and interviewing techniques. The study of the exploration of space starts with rocket boosters and orbital mechanics. Then it moves to American space programs and their development to include man's journey to the Moon. From there, our solar system and the origins of space are studied.	11-12	1 UNIT	AFJROTC IV or Departmental recommendation
28.4160099	JROTC Air Force VI: Life skills student continues with financial planning; its background, the credit trap, banking and spending decisions, savings, investments and insurance, and the development of real life issues, understanding to include citizenship responsibilities. From here, career opportunities are studied with research into selecting the right career path and development of a basic understanding of federal government employment to include the military and the aerospace industry. Exploration of space studies continues with what it takes to survive and live in space along with development of an understanding of the physiological results of manned space flight. Emphasis turns to the development of the space shuttle, commercial use of the space program and the development of space stations.	11-12	1 UNIT	AFJROTC V or Departmental recommendation

COURSE #	COURSE/ DESCRIPTION	GRADE	CREDIT	PREREQUISITE
28.4170099	JROTC Air Force VII: The course emphasizes the principles of management. Study begins with management history, its importance, principles and functions. Then emphasis moves to developing a comprehension of personal coping mechanisms for conflicts in values and comprehension of management skills, roles, and performance that influences managerial behavior. This includes learning the importance of delegation skills and their uses.	11-12	1 UNIT	AFJROTC VI or Departmental recommendation
28.4180099	JROTC Air Force VIII: Principles of management study continues with management problem solving, decision making, negotiation, and mentoring. From here, emphasis is placed on the management of self and others. This area first looks at the management of self-development and then moves on to time management, information management, people management, and an understanding of the importance of people skills.	11-12	1 UNIT	AFJROTC VII or Departmental recommendation

## CAREER TECHNICAL MENTORSHIP AND INTERNSHIP

COURSE #	COURSE/ DESCRIPTION	GRADE	CREDIT	PREREQUISITE
70.0110099 (I) 70.0120099 (II) 70.0110096 (.5 F) 70.0110097 (.5 S)	CAREER TECHNICAL MENTORSHIP I and II: Interested in being an aide in one of the administrative offices? This course is designed to provide the student with skills required for successful performance in an administrative support position. This course will include training and work based experience in a school office environment. Students may earn up to <u>2 units</u> . <b>Minimum day and internship students will not be considered for this program.</b>	11-12	1 UNIT	Application 2.5 GPA 2 Teacher Recommendations Good discipline record
70.0210099--I 70.0220099--II 70.0230099--III 70.0240099--IV	INTERNSHIP I, II, III AND IV: Opportunities exist for selected students who wish to explore specific career fields with on-site mentors in community business settings. The Work-based Coordinator visits the job mentor to assess student performance and supervises the student in job search skill development. The student maintains a weekly journal, records of weekly hours on the job and must complete program participation forms. <b>Only juniors and seniors may submit an application. Personal means of transportation to internship site is required. Students leave campus after third block.</b>	11-12	1 UNIT  EACH	On Track for Graduation  Must have own transportation  Application Required See Coordinator—Mrs. Crumb

## OTHER COURSES

COURSE #	COURSE /DESCRIPTION	GRADE	CREDIT	PREREQUISITE
70.0410099 RISE I 70.0420099 RISE II	COMMUNITY SERVICE/LEARNING I (RISE): Students have the opportunity to work at an elementary schools to tutor students using the Reading Is Succeeding Everyday (RISE) program. Wheeler students will meet with two elementary students each for a 30-minute period and help these students overcome reading difficulties.	12	1 UNIT	3.0 GPA Application and two teacher recommendations Own transportation
35.0670099 Y 35.0670096 A- Fall 35.0670097 B- Spring	TALENT DEVELOPMENT I: This is the first in a sequence of two classes for students who will take, or have hopes of taking honors classes and Advanced Placement classes in high school. The Talent Development class will concentrate on developing the skills needed to be successful and expose them to some of the expectations and levels of rigor they will experience in these advanced level classes. These skills include higher order thinking, critical reading, note taking, organization, study skills, research skills problems solving and goal setting. Students should be self motivated and open to trying new ideas.	9  For Non-Magnet Students	1 UNIT	Enrolled in at least 1 honors courses as a freshman or identified as aiming to take at least one honors courses as a sophomore AND Requires Teacher Recommendation
	TALENT DEVELOPMENT II: The second class in a sequence of two designed to develop further the skills acquired in the Talent Development I class. Students must be concurrently enrolled in an honors and/ or and Advanced Placement class and have plans to take at least one AP class in their junior year.	10-11  For Non-Magnet Students	1 UNIT	Talent Development I and Enrolled in at least 1 honors courses as a sophomore with plans to take at least one AP course as a junior
35.0610023 English 35.0640011 Math	GHSGT STUDY SKILLS: This course focuses on a review of standards in preparation for the March Georgia High School Graduation Test. This course includes special emphasis on note taking, time management, organization, listening skills, summarizing and levels of questions. Test-taking tips will also be included. Materials include consumable GHSGT review workbooks. Students will also use the USA Test Prep website as a resource.	11	1 UNIT	Teacher Rec and Transcript Review

COURSE #	COURSE /DESCRIPTION	GRADE	CREDIT	PREREQUISITE
35.0630016	NOVANET: NovaNet is an online course recovery program that requires note taking and full time engagement in daily work. The following courses are offered: All English, Integrated Math I & II, Algebra I Part I and Part II, Geometry, Money Management, all Science; all Social Studies except Economics. Counselors recommend students who need .5 credits for a course or who have failed one or more courses and fulfill the following requirements: failed with a 60% or higher, basic computer skills, excellent attendance, no major discipline issues, adequate reading skills, and self-discipline. Priority is given to seniors.	11-12	.5 to 1 UNIT per course	Recommendation of Counselor
00.1213000 (Fall) 00.1212000 (Spring)	MINIMUM DAY: minimum day is offered 1 <sup>st</sup> and 4 <sup>th</sup> period to seniors who have passed all areas of the GHSGT. You must have a parent permission slip signed and see your counselor to register for this period off. It will be scheduled 1 <sup>st</sup> or 4 <sup>th</sup> depending on the other courses you request and the overall master schedule. Students must have their own transportation and must not remain on campus after block 3 or arrive before block 2.	12	NONE	Must have passed all GHSGTests See your Counselor