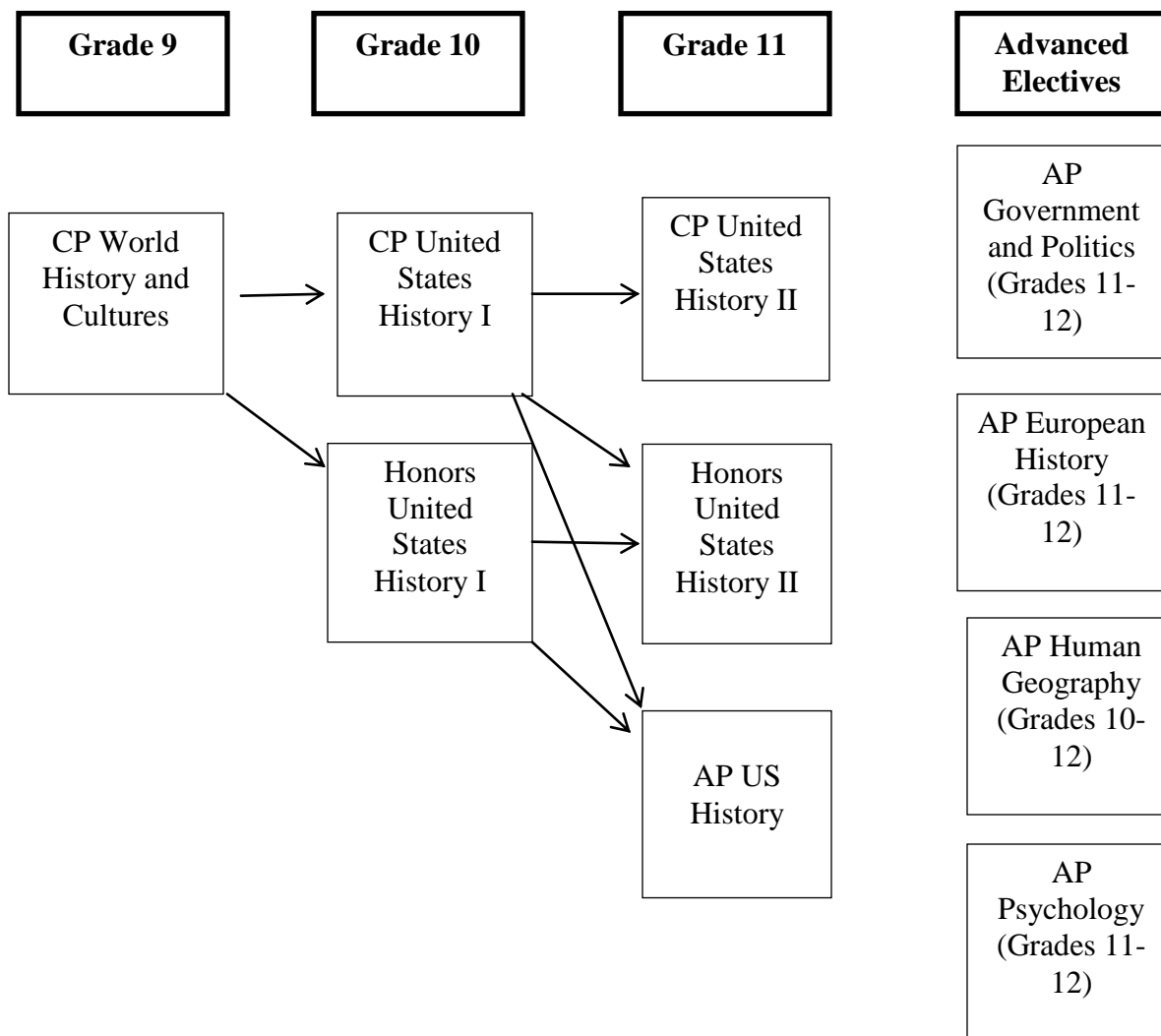


SOCIAL STUDIES

3 years of Social Studies are required for graduation. These courses include World History, US History I and US History II. AP courses have prerequisite requirements. Further details/requirements are in the NBTHS Online Course Guide at [NBTHS Course Guide](#)



Students are required to take World History, US History I and II to graduate.

Social Studies elective courses can be found on the next page.

Social Studies Electives

-----Full Year Courses (5 credits)-----

Human Behavior

(Intro. to psychology covers theories, development of abnormal behavior, elements of personality, cognitive development, perception and social psych)

Grades 10-12



AP Psychology

(Systematic scientific study of behavioral and mental processes of human being and animals)

Grades 11-12

Check Prerequisite Requirements

Sociology

(Study of groups in society incl. social structure, interactions, social change, class, race and ethnic relations)

Grades 10-12

AP Government and Politics

(Analytical perspective and exploration of US government and politics)

Grades 11-12

Check Prerequisite Requirements

Tomorrow's Teachers

(Students interested in a career in education. Study issues in Education as well as Educational Psychology)

Grade 12

(Prerequisite: Application Packet & Faculty Interview)

AP European History

(Western European history from Renaissance to present, topics include art, literature, philosophy, music etc.)

Grade 12

Check Prerequisite Requirements

American Law

(Students examine the role of law and American society, the processes, limits and procedures of the law)

Grades 9-12

AP Human Geography

Study of effects of human population on our planet, geographic models, data, maps etc.)

Grades 10-12

Check Prerequisite Requirements

-----Semester Courses (2.5 credits)-----

Women's Studies

(Intro. to impact of women in society and their influence on the history of the US)

Grades 9-12

Dimensions of Prejudice, Genocide & the Holocaust

(Review of multiple genocides in history, understanding prejudice and racism, discuss atrocities)

Grades 10-12

Back to the Future

(Examines the history of 80's, 90's through today, by examining film and multi-media)

Grades 9-12

Comparative Religions

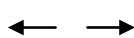
(Exploration of history and culture of world religions, founders of religions, beliefs, rituals and symbolism)

Grades 9-12

America's Military History

(United States military and the short-term/long term social, political, economic, and geographic effects of our nation's wars on our society)

Grades 9-12



Denotes course pairing

Further details/requirements are in the NBTHS Online Course

Guide at [NBTHS Course Guide](#)

SCIENCE

3 years of Science are required for graduation. All courses after the third year are considered elective but must be recommended by your current teacher.
 All students must take and pass Biology, Chemistry or Physics, and a third year of lab science.

Grade 9

Grade 10

Grade 11

Grade 12

CP Physics



CP Chemistry



CP Biology



CP Environmental Sci.
 Anatomy & Physiology
 Marine
 Honors Biotechnology &
 Forensics
 Engineering Electives
****AP Courses with teacher
 recommendations &
 prerequisites met.**

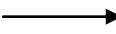
Honors
 Physics



Honors
 Chemistry



Honors
 Biology



AP Chemistry
 AP Biology
 AP Physics C (completion/duel
 enrollment AP Calculus)
 AP Physics 1
 Anatomy & Physiology
 Marine Biology
 Honors Biotechnology & Forensics
 CP Environmental Sci.
 Engineering Electives

Honors
 Chemistry



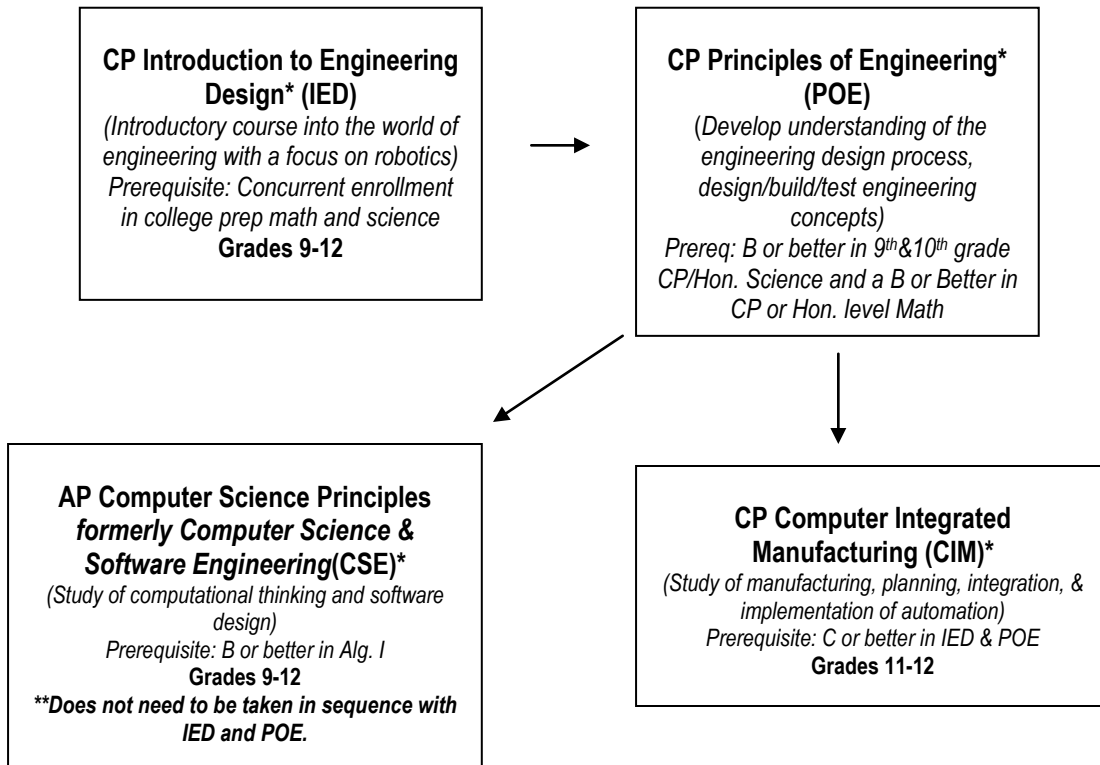
Honors
 Biology



AP Chemistry
 AP Biology
 AP Physics 1
 AP Physics C
 (completion/duel enrollment
 AP Calculus)
 Anatomy & Physiology
 Marine Biology
 Honors Biotechnology &
 Forensics
 CP Environmental Sci.
 Engineering Electives



Science Electives



-----Semester Courses (2.5 credits)-----

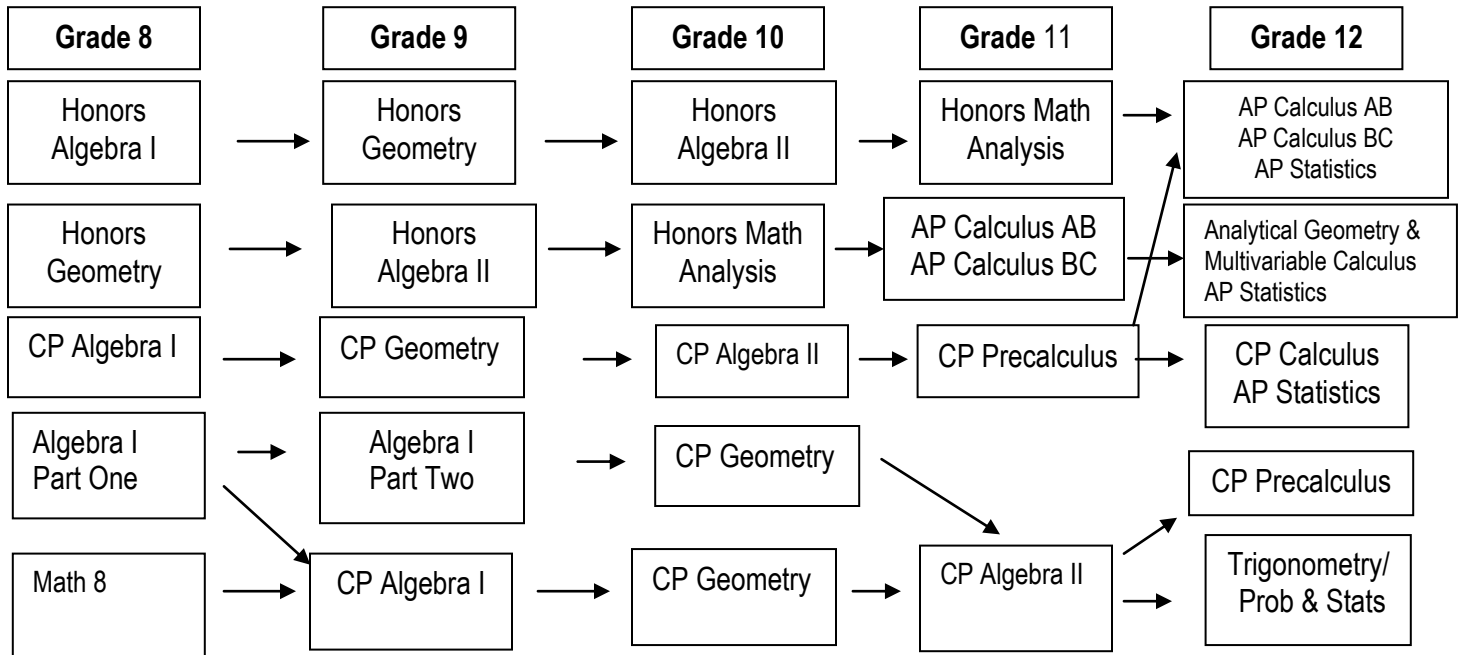
Anatomy & Physiology
(Anatomical terminology, biochemistry, cells, tissues etc. Course is for students interested in healthcare field)
Grades 11-12

Marine Biology
(Marine flora and fauna, vertebrates and invertebrates found in marine biome)
Grades 11-12

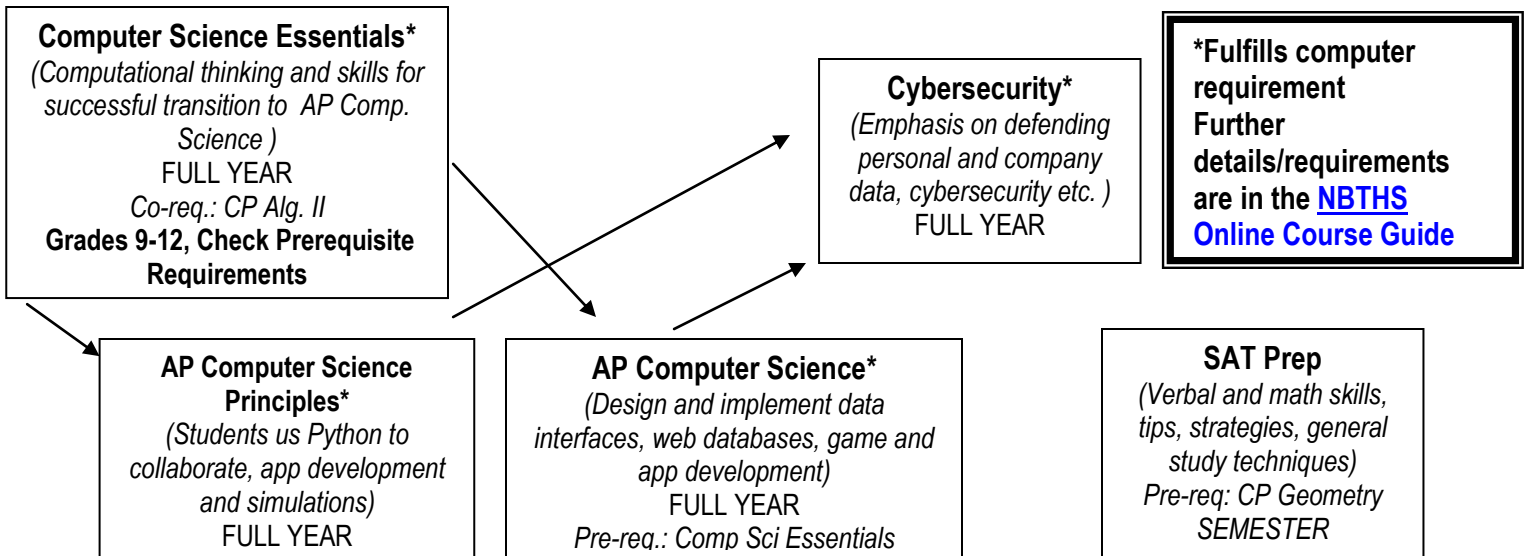
***Fulfills computer requirement**
Further details/requirements are in the NBTHS Online Course Guide at [NBTHS Course Guide](#)

MATHEMATICS

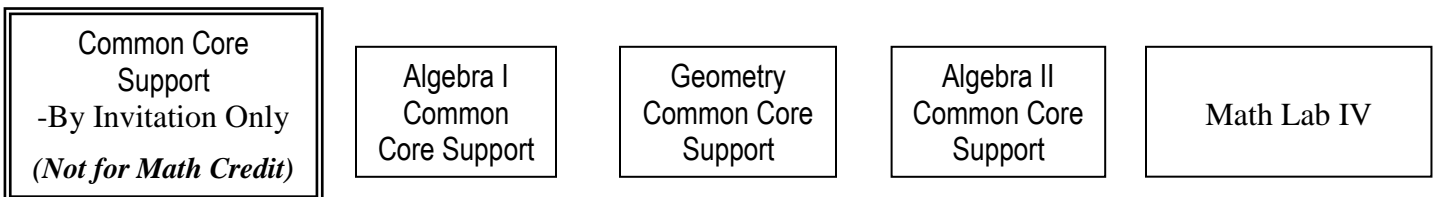
3 years of Math are required for graduation. All courses after the third year are considered elective but **MUST be recommended by your current teacher. All students must take and pass a minimum of Algebra I, Geometry, and a third year.**



-----ELECTIVES-----

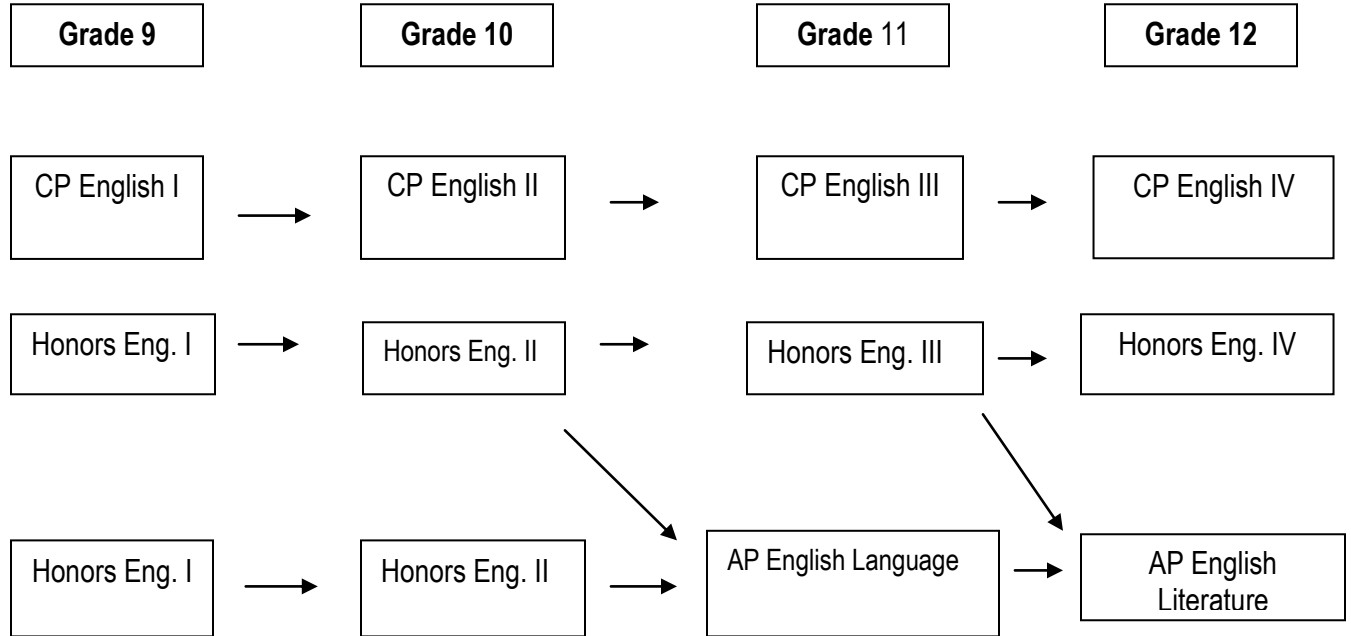


-----Math Lab-----



English

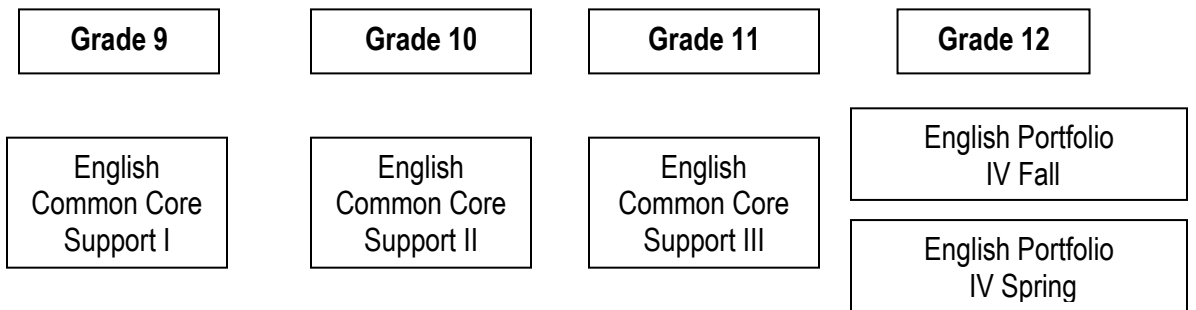
4 years of English are required for graduation. All students must complete the minimum requirement of English I-IV. ESL fulfills the English requirement as well.



-----**English Common Core Support**-----

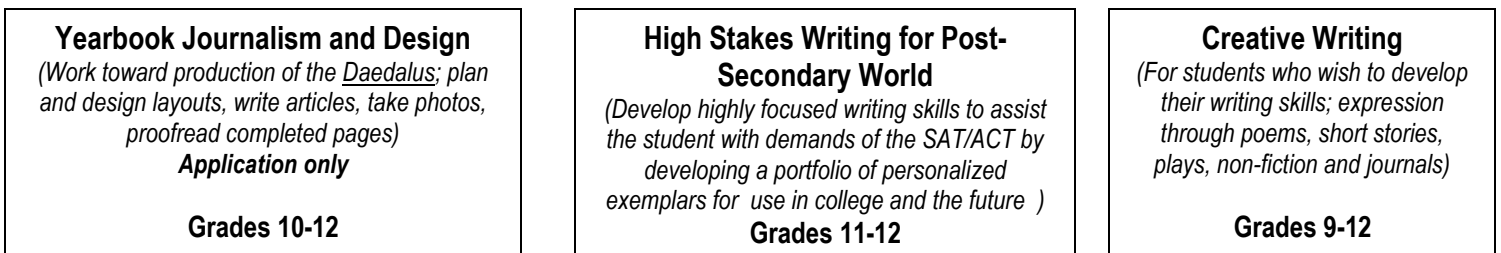
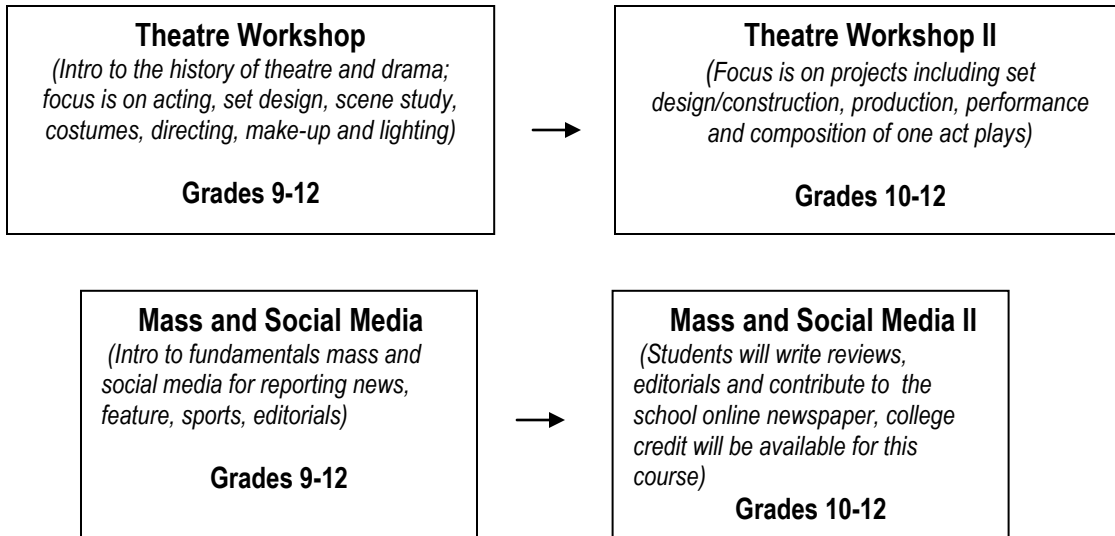
(Support Classes are Not for English Credit)

-By Invitation
Only
*(Not for English
Credit)*

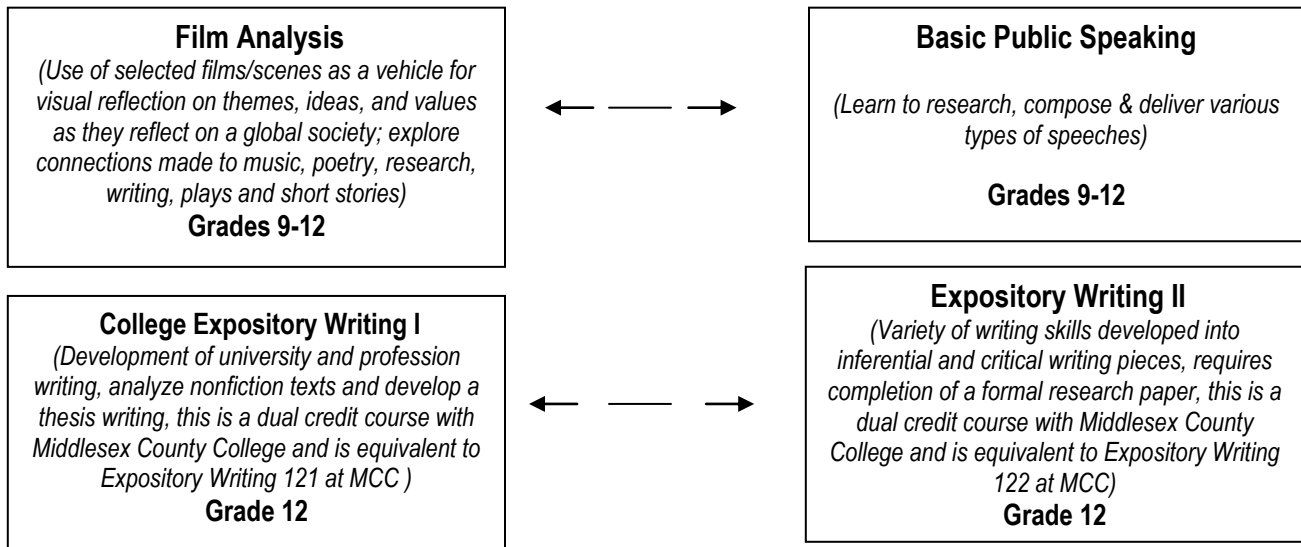


ENGLISH ELECTIVES

-----Full Year Courses (5 credits)-----



-----Semester Courses (2.5 credits)-----



← → Denotes course pairing
 Further details/requirements available in [NBTHS Online Course Guide](#)

INDUSTRIAL TECHNOLOGY

-----Full Year Courses (5 credits)-----

INTRO/LEVEL 1

LEVEL 2

LEVEL 3

LEVEL 4

Woods 1

(Intro to shop safety, proper use of machinery, types of wood and their uses and woodworking techniques)

SEMESTER COURSE

Grades 9 & 10 Only

Machine Woodworking

(Build upon skills from Woods I, includes a mass production project)

Grades 10-12

Cabinet & Furniture Manufacturing

(Includes project design, analysis and evaluation)

Grades 11-12

Advanced Techniques in Woodworking

(Focus on cabinet and furniture construction incl. marquetry and inlay)

Pre req: Woods I or Machine Woodworking or Cabinet and Furniture Manufacturing

Grades 10-12

Technical Drawing*

(Learn basic drafting techniques and use of computer software like Autosketch and CAD; recommended for students interested in engineering, computers, architecture, machine trades and drafting occupation)

Grades 9-12

Architectural Design*

(Study residential home design including floor plans, furniture layout, and traffic flow; a scale model of a home will be constructed)

Grades 10-12

CAD (Computer- Aided Drafting w/Inventor) *

(Work in 2-D & 3-D modeling using the AME Solid Modeling Program)

Grades 9-12

CAD (Computer-Aided Drafting) *

(Auto CAD, 2-D and 3-D modeling; use of Autosketch and Data CAD. For students interested in drafting, designing, building and engineering)

Grades 10-12

Gaming & Animation*

(Intro to 3-D computer design, modeling, textures, and animation; project-based class, develop and animate 3-D video game characters)

Grades 9-12

CP Introduction to Engineering Design*

(Introductory course into the world of engineering with a focus on robotics)
Prerequisite: Concurrent enrollment in college prep math and science

Grades 9-11

CP Principles of Engineering*

(Develop understanding of the engineering design process, design/build/test engineering concepts)
Prereq: B or better in 9th&10th grade CP/Hon. Science and a B or Better in CP or Hon. level Math

Grades 10-12

CP Computer Integrated Manufacturing (CIM)*

(Study of manufacturing, planning, integration, & implementation of automation)

Prerequisite: C or better in Prin. of Engineering

Grades 11-12

CP Computer Science and Software Engineering (CSE)*

(Study of computational thinking and software design)

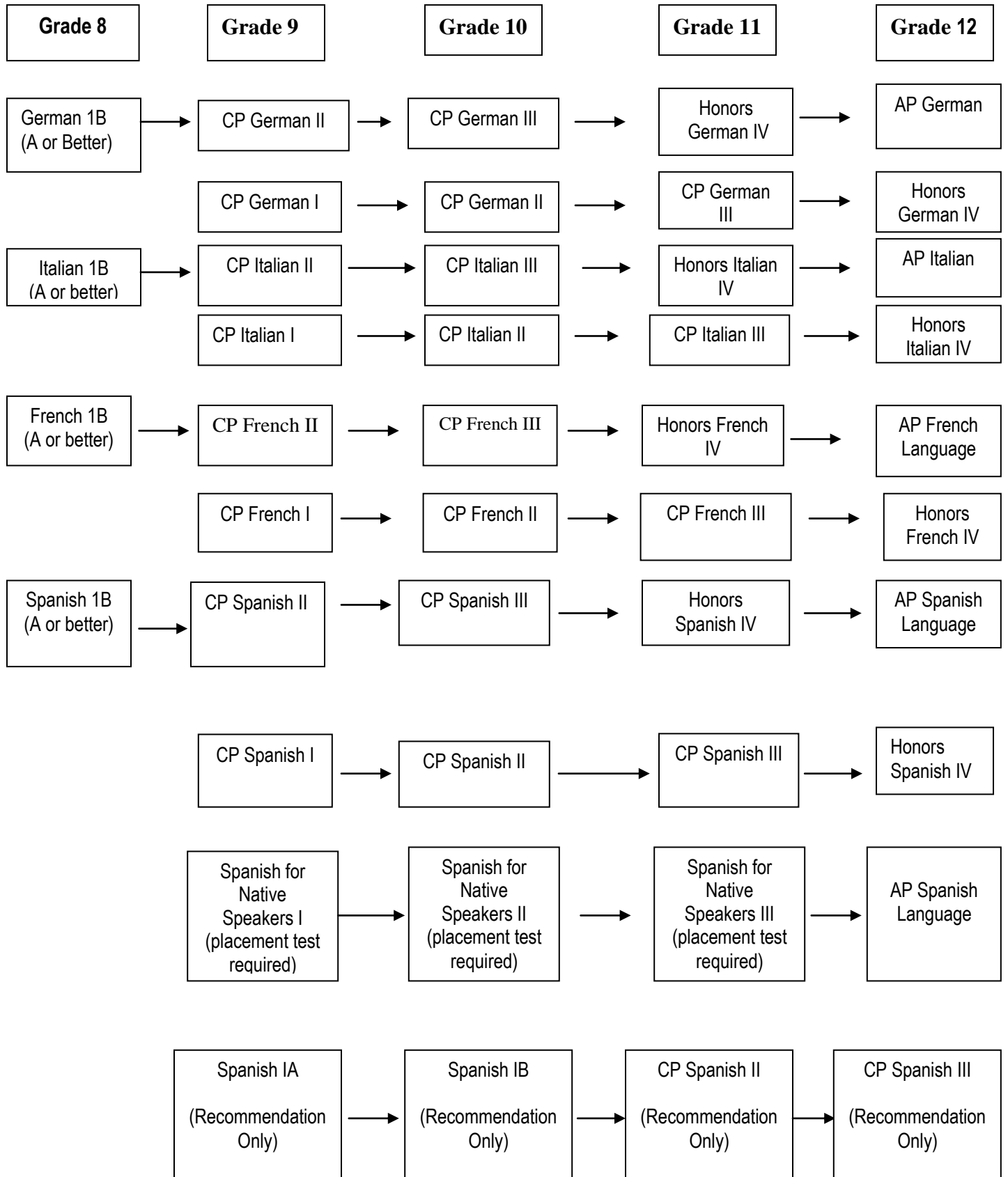
Prerequisite: C or better in Prin. of Engineering

Grades 11-12

*Fulfills the computer requirement

Further details/requirements are in the NBTHS Online Course Guide at [NBTHS Course Guide](#)

WORLD LANGUAGES



BUSINESS TECHNOLOGY

-----Full Year Courses (5 credits)-----

Marketing Education

(Prepare for future education or employment in fields of marketing, management, and entrepreneurship)

Grades 9-12



Experiential Marketing:

(Internship optional for Seniors)

(Build upon principles learned in M.E. I; hands-on internship experiences optional)

Requires coordinator approval for optional internship

AP Microeconomics **

(Principles and theories of microeconomics; analyze economic policy)

Grades 11-12

AP Macroeconomics **

(Application and analysis of macroeconomic concepts as they relate to real-world experiences)

Grades 11-12

TV Production I

(Intro to the principles and techniques of Electronic Field Production)

Grades 9-12



Honors TV Production II

(Hands-on course provides experience in intermediate television production)

Grades 10-12



Honors TV Production III

(Work on assigned and individual projects, write/produce/direct your own TV show)

Grades 11-12

Cooperative School-to-Career Internship

(Internship opportunity, subject to coordinator approval, Integrated Comp. App is a prerequisite!)

SENIORS ONLY

←→ Denotes course pairing

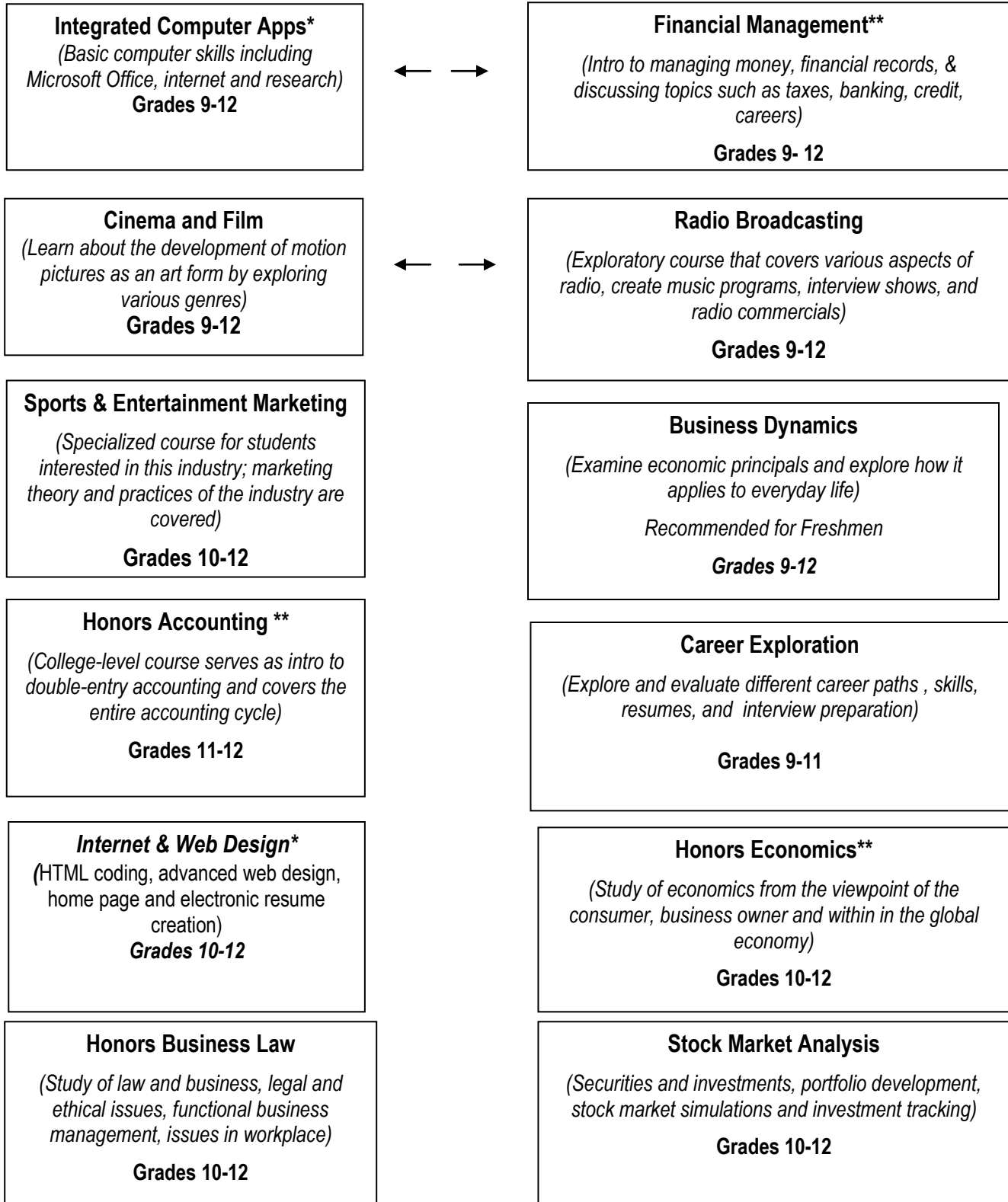
* Fulfills computer requirement

** Fulfills Financial Literacy requirement

Further details/requirements in [NBTHS Online Course Guide](#)

Continued on next page--

-----Semester Courses (2.5 credits)-----



← → Denotes course pairing
 * Fulfills computer requirement
 ** Fulfills Financial Literacy requirement
 Further details/requirements in [NBTHS Online Course Guide](#)

FINE ARTS: MUSIC

-----**Full Year Courses (5 credits)**-----

(Unless otherwise indicated)

INTRO/LEVEL 1

Concert Choir
(Entry level singing in large vocal ensemble)

Concert Choir
(Intended for students who enjoy singing in a large ensemble).

Vocal Technique
(Advanced choral music class, incl. vocal training, ear training and sight reading)

Honors Choir
(Advanced select choir that continues to train at the highest level and performs at various events)

Concert Band
(Large instrumental ensemble, requires rehearsals and performances after school)

Concert Band
(Large instrumental ensemble, requires rehearsals and performances after school)

Honors Wind Ensemble
(Advanced instrumental ensemble, incl. work on scales, sight reading and solos)

Percussion Ensemble
(Array of percussion instruments to play complex rhythms + melodies)

Honors Percussion Ensemble
(Array of percussion instruments to play complex rhythms/melodies)

Freshman Orchestra
(Intro. for string instrument players)

Symphonic Orchestra
(Provides additional work on playing and reading skills for string instrument players)

Chamber Orchestra
(Advanced orchestra members required to work on scales, sight reading and a selected solo)

Music Theory I
(Intro course that covers musical basics i.e. notation, scales, intervals and harmony; includes sight singing and ear training)
It is suggested students taking this course have musical experience

Music Theory II
(Course that expands on topics covered in Music Theory I
It is suggested students have a solid foundation from Music Theory I, students can test into this course if he/she did not take Music Theory I.

AP Music Theory
(Read, notate & compose music, emphasis on period tonality and tonal relationships)
Pre req: Music Theory **or** instructor approval

History of Pop Music
(Learn about the development of popular music from the 19th century includes jazz, blues and current styles i.e. rock and roll, dance, heavy metal) through digital learning.
SEMESTER COURSE
Grades 9-12

ALL LEVELS OF MUSIC COURSES ARE BASED ON TEACHER RECOMMENDATION

FINE ARTS: ART

-----Full Year Courses (5 credits)-----

INTRO/LEVEL 1

LEVEL 2

LEVEL 3

Anyone Can Draw, Paint Sculpt
(Beginner art course, basic art techniques)
Grades 9-12

Art Variations
(Intro art course, various mediums incl. computers)
Grades 9-12

Photography
(Intro. to use of 35mm camera and computer imaging techniques)
Grades 9-12

Ceramics I
(Techniques of pottery and sculpture making)
Grades 9-12

Design Mixed Media
(Studio course, explores 2 + 3 dimensional concepts)
(If coming from Photo, Photo teacher rec. needed)
Grades 10-12

Graphic Design*
(Hands on approach to advertising and design)
(If coming from Photo, Photo teacher rec. needed)
Grades 10-12

Photo Studio
(Advanced concepts + methods incl. special effects)
Grades 10-12

Ceramics II
(Builds upon Ceramics I, advanced glazing and surface decorations)
Grades 10-12

Photo Studio II
(Portfolio development, self directed projects)
Grades 11-12

Ceramics Studio
(Advanced ceramic concepts and techniques of wheel-throwing)
Grades 11-12

-----Semester Courses (2.5 credits)-----

Color, Composition & Calligraphy
(Introduces color and paint/ink application techniques)
Grades 9-12

Perspective Drawing
(Learn to draw in 2+3 point perspective, including drawing building interiors and exteriors)
Grades 9-12

Portraiture & Cartooning
(Learn to draw facial anatomy, proportion, and develop cartooning and animation skills)
Grades 9-12

←→ Denotes course pairing
 * Fulfills computer requirement
 ** Fulfills Financial Literacy requirement
 Further details/requirements in [NBTHS Online Course Guide](#)