

Executive Summary

- The primary changes to the content of the program guide have resulted from Virginia's Standards for Accrediting Public Schools, adopted July 31, 2009.

http://www.doe.virginia.gov/VDOE/Accountability/soa_09.pdf

- o Click here for a Power Point Presentation with an overview of the changes:

http://www.doe.virginia.gov/VDOE/Accountability/soa_proposed_changes.ppt

- o Click here for a summary sheet comparing the standard diploma and technical standard diploma credit requirements as well as the advanced and advanced technical diploma requirements in effect for the entering 9th grade class for 2010.

http://www.doe.virginia.gov/VDOE/Accountability/factsheet_diploma_requirements.pdf

- o One item not addressed at these links is the elimination of the option for students to earn two math credits toward graduation by taking Algebra in two parts.
- The tables have been updated for each high school matching ***Electives and Career Pathways*** in the general information section of the back of the program.
- The ***CATEC*** section has been updated to reflect changes in course offerings.

Course Descriptions:

- In general, course descriptions have been revised or updated. A committee of principals, assistant principals for scheduling, and guidance directors met to consider all requests for additions, changes, and deletions of courses. Decisions were made with respect to sequences of courses, avoiding creating new courses that are redundant with courses currently offered, consideration of the course's alignment with Life-Long Learner Standards, Board Strategic Goals, and preparation for college and career.

Added Courses are listed here.

AFJROTC

AIR FORCE, JR. ROTC Advanced DRILL ONLY CLASS

Prerequisite: Enrollment in AFJROTC I, II, III, or IV &
1 year of the AFJROTC Drill Only Class
1 Credit

Students will learn advanced military drill maneuvers, drill sequence development, individual training techniques, team building, leadership skills, and project management. Participants will be able to demonstrate the ability to use leadership and interpersonal skills to develop a cohesive team of twelve to fifteen students. Students will develop drill sequences, train students on drill maneuvers, and command a group of students through a drill sequence. Students enrolled in the Advanced Drill Only Class are eligible to participate on the AFJROTC competitive drill team.

Students must be concurrently enrolled in one of the following AFJROTC I, II, III, or IV, and have completed one year of AFJROTC Drill Only Class to enroll in the Advanced Drill Only Class.

AVID

AVID Tutor

Prerequisite: AVID I & II
Offered at MoHS, WAHS
1 Credit

AVID Tutor is an elective course for students wishing to be tutors in the AVID elective program. Students will tutor 5 – 7 AVID students twice per week during the tutorial portion of the AVID elective class and assist the teacher in providing academic and organizational skills to students. The tutors are expected to be able to help in at least three academic subjects in which they have been successful at the Honors or Advanced level. These would include but not be limited to World Languages, Language Arts, Mathematics, Science, and Social Studies. Tutors will receive instruction and training using the inquiry method that encourages higher level thinking by students.

FINE AND PERFORMING ARTS

STAGE BAND

Prerequisite – One year of previous instrumental training.

Grades 9-12

1 Credit

Fee: \$5

Offered at MoHS

This class meets every Wednesday and Friday morning from 7:30 to 8:45. The group will practice and perform various styles of music, including jazz, pop, and rock. Students may also participate in competitions during the school year as well as several concerts. No audition is required and all instruments are welcome.

MESA

SCIENCE & ENGINEERING RESEARCH METHODS PART II

Prerequisite: Math 164, Calculus A/B, Qualifying Compass or SAT Score, Instructor Approval

Grade: 12

1 Credit: (Science elective)

The MESA course is designed to allow students the flexibility to investigate scientific areas that interest them, with guidance that accentuates (stresses, emphasizes) essential skills needed to excel and succeed in a global environment: Teamwork, Communication, Creativity.

ENGINEERING ANALYSIS AND APPLICATIONS EGR 120 INTRODUCTION TO ENGINEERING

Grade: 12

1 High School Credit (2 College Credits transferable to UVA, VATECH, ODU, VCU)

Prerequisite: Introduction to Engineering, Math 164, Calculus A/B, Qualifying Compass or SAT Score, Instructor Approval

This course allows students to examine systems, the interaction of technology and society, ethics in a technological world, and the fundamentals of modeling while applying the engineering design process to areas of the designed world. Students will participate in hands-on projects in a laboratory setting as they communicate information through team-based presentations, proposals, and technical reports. Students will learn the principles of orthographic projection and multiview drawings. Other topics include descriptive geometry with relationships of points, lines, and planes. Sectioning, dimensioning, and computer graphic techniques will be introduced.

SPECIAL EDUCATION

PRACTICAL SCIENCE II

Grades 9-12

1 Elective Credit

Offered at MoHS and WAHS

This class explores basic topics in science as related to students. Areas of focus are biology and ecology.

WRITING SKILLS

1 Elective Credit

Offered at MoHS

This course is offered for students whose writing skills are significantly below grade level. It is designed to develop fundamental writing skills. This course will focus on improving different types of writing and the writing process itself. This course is taken along with and not in place of English. Students should be placed in this course according to their individual growth areas as documented through their IEP process.

BASIC COMPUTER SKILLS

Grades 9-12

1 Elective Credit

Students will learn basic keyboarding and introductory typing skills as well as proper typing technique, basic typing position, posture, practice key stroking, spacing, return, and other typing skills. Students will also learn basic computer and printer set up and how to use computer programs such as word processing, PowerPoint, and spreadsheets in order to gain skills needed to secure employment as members of a global community and economy.

WORLD LANGUAGES

SPANISH LITERATURE AP

Prerequisite - Teacher recommendation & Spanish IV

1 Credit - Sequential

NOTE: Most students need a “B or better” average in Spanish IV to be successful in this course.

An AP Spanish Literature course is comparable to a third-year college introduction to Hispanic literature course. It is based on a required reading list. The works on the list are of literary significance and represent various historical periods, literary movements, genres, geographic areas, and population groups within the Spanish-speaking world. The objective of the course is to help you interpret and analyze literature in Spanish. The exam fee is approximately \$87 per test.

Deleted Courses are listed here.

Contemporary Literature

Science Fiction Literature

Algebra I part 1

Algebra I part 2