Endorsement Requirements

General

A student shall specify in writing an endorsement the student intends to earn upon entering Grade 9.

A district shall permit a student to enroll in courses under more than one endorsement before the student's junior year and to choose, at any time, to earn an endorsement other than the endorsement the student previously indicated.

A student must earn at least 26 credits to earn an endorsement.

A school district must make available to high school students courses that allow a student to complete the curriculum requirements for at least one endorsement.

A school district that only offers only one endorsement curriculum, must offer the Multidisciplinary Studies endorsement.

A school district may define advanced courses and determines a coherent sequence of courses for an endorsement area, provided that prerequisites in Chapters 110–118, 126–127, and 130 are met.



Endorsement Requirements

STEM

A student must complete Algebra II, chemistry, and physics and one of the following:

(1) A coherent sequence of courses for four or more credits in CTE. The final course in the sequence must be selected from the STEM career cluster.

(2) A coherent sequence of four credits in computer science selected from the following courses:

Fundamentals of Computer Science

Computer Science I

Computer Science II

Computer Science III

AP Computer Science

IB Computer Science, Standard Level

IB Computer Science, Higher Level

Discrete Mathematics for Computer Science

Digital Forensics

Game Programming and Design

Mobile Application Development

Robotics Programing and Design

Independent Studies of Technology Applications

- (3) A total of five credits in mathematics by successfully completing Algebra I, geometry, Algebra II, and two additional mathematics courses for which Algebra II is a prerequisite
- **(4)** A total of five credits in science by successfully completing biology, chemistry, physics, and two additional science courses
- (5) In addition to Algebra II, chemistry, and physics, a coherent sequence of three additional credits from no more than two of the three areas listed in (1), (2), (3), and (4)



Endorsement Requirements Business and Industry A student must complete one of the following: (1) A coherent sequence of courses for four or more credits in CTE. The final course in the sequence must be selected from one of the following CTE clusters. Agriculture, Food, & Natural Resources Architecture & Construction Arts, Audio/Video Technology, & Communications **Business Management & Administration** Transportation, Distribution, & Logistics Marketing Information Technology Manufacturing **Hospitality & Tourism** Finance (2) Four English elective credits by selecting three levels in one of the following areas: Advanced Broadcast Journalism Advanced Journalism: Newspaper Advanced Journalism; Yearbook **Public Speaking** Debate (3) Four technology applications credits by selecting from the following: Digital Design and Media Production Digital Art and Animation 3-D Modeling and Animation Digital Communications in the 21st Century Digital Video and Audio Design Web Communications Web Design Web Game Development



Independent Study in Evolving/Emerging Technologies

(4) A coherent sequence of four credits from (1), (2), or (3)

Endorsement Requirements

Public Services

A student must complete one of the following:

(1) A coherent sequence of courses for four or more credits in CTE. The final course in the sequence must be selected from one of the following CTE career clusters:

Education & Training

Government & Public Administration

Health Science

Human Services

Law, Public Safety, Corrections, & Security

(2) Four courses in Junior Reserve Officer Training Corps (JROTC)

Endorsement Requirements

Arts & Humanities

A student must complete one of the following:

- (1) A total of five social studies credits
- (2) Four levels of the same language in a language other than English
- (3) Two levels of the same language in LOTE and two levels of a different language in LOTE
- (4) Four levels of American Sign Language
- **(5)** A coherent sequence of four credits by selecting courses from one or two categories or disciplines in fine arts or innovative courses approved by the commissioner
- (6) Four English elective credits by selecting from the following:

English IV

Independent Study in English

Literary Genres

Creative Writing

Research and Technical Writing

Humanities

AP English Literature and Composition

IB Language Studies A1 Higher Level

Communication Applications



Endorsement Requirements

Multidisciplinary Studies

A student must complete one of the following:

- (1) Four advanced courses that prepare a student to enter the workforce successfully or postsecondary education without remediation from within one endorsement area or among endorsement areas that are not in a coherent sequence
- (2) Four credits in each of the four foundation subject areas to include English IV and chemistry and/or physics
- (3) Four credits in AP, IB, or dual credit selected from English, mathematics, science, social studies, economics, LOTE, or fine arts

