

Grades 8 through 12 Academic Requirements

In order to teach	Qualifying coursework recorded on official transcripts
Chemistry	24 semester hours (sh) in chemistry, 12 of which are upper level
Computer Science	24 semester hours (sh) in CS, CIS 12 of which are upper level
English Language Arts And Reading	27 semester hours (sh) consisting of: <ul style="list-style-type: none"> • 24 sh English, 12 of which are upper level • 3 sh speech communications or related course
History	24 semester hours (sh) in history, 12 of which are upper level
Journalism	24 semester hours (sh) in journalism, 12 of which are upper level
Life Science *	24 semester hours (sh) in biology, 12 of which are upper level Note: courses related to biology – for example, entomology, environmental science may be counted
Marketing Education	24 semester hours (sh) in marketing, 12 of which are upper level Requires 2 years of wage-earning experience approved by TMATE
Mathematics *	24 semester hours (sh) in math, 12 of which are upper level
Mathematics/Physical Science/Engineering	36 semester hours (sh), 12 of which are upper level consisting of <ul style="list-style-type: none"> • 12 sh science with at least 3 sh chemistry & 3 sh physics/physical science • 12 sh mathematics (college level) • 12 sh engineering
Physical Science	24 semester hours (sh) consisting of: <ul style="list-style-type: none"> • 12 sh physics, 3 of which must be upper level • 12 sh chemistry, 3 of which must be upper level • a total of 12 sh must be upper level
Physics/Mathematics	24 semester hours (sh) consisting of: <ul style="list-style-type: none"> • 12 sh physics, 3 of which must be upper level • 12 sh mathematics, 3 of which must be upper level • a total of 12 sh must be upper level
Science *	48 semester hours (sh) in a combination of biology, chemistry, physics/physical science and geology <ul style="list-style-type: none"> • 24 sh in one of the above discipline, 12 of which are upper level • 24 sh in a combination of the other disciplines with at least 3 sh in each
Social Studies	48 semester hours (sh) in a combination of history, government/political science and economics: <ul style="list-style-type: none"> • 24 sh in one of the above disciplines, 12 of which are upper level • 24 sh in a combination of the other disciplines or a related field with at least 3 sh in each
Speech	24 semester hours (sh) in speech, 12 of which are upper level
Technology Applications	24 semester hours (sh) in a combination of computer information systems, computer science, educational technology or related field coursework <ul style="list-style-type: none"> • a total of 12 sh must be upper level OR demonstrated competency in the following applications: desktop publishing, web mastering, digital graphics/animation, multimedia, and video technology

* Indicates a high need teaching field