

Secondary Grades

Guidance for Self-Analysis of Secondary Grades Content Area Competency, Coursework, and Testing

The table below outlines the guidance used for evaluating a potential candidate’s transcript for the six content Secondary Grades certification areas offered through TCP (English, Social Studies, Mathematics, Biology, Chemistry, and Physics).

Secondary Grades Certification Area	Required/Suggested Coursework for Content Area Knowledge and Skills
English	<p><u>Writing</u> (6 credits) may include: Composition I Composition II/Advanced Composition Specialized Writing Course (e.g., Prose, Poetry, Journalism)</p> <p><u>Literature</u> (18 credits) Introduction to Literature British Literature American Literature I (pre-1800) Shakespeare American Literature II (post-1800) World/Non-Western Literature</p> <p><u>Elective(s)</u> (6 credits) may include, but are not limited to: English language/linguistics Public Speaking Grammar Theater Literature</p>
Social Studies	<p><u>History</u> US History (6 credits) European History (6 credits) Global History (6 credits): may include African, Asian, Indigenous, Latin American, Middle Eastern, or Transnational History</p> <p><u>History Electives</u> (12 credits) may include, but are not limited to: Civics Psychology (3 credits) Geography Sociology (3 credits) Government Western Civilization Political Science World Religions</p>
Mathematics	<p><u>Mathematics (11 credits)</u> Calculus I Calculus II Geometry</p> <p><u>Elective(s)</u> (19 credits) may include, but are not limited to: College Algebra/College Algebra CLEP test Number Systems/Number Theory Statistics & Probability Linear Algebra History of Mathematics Mathematical Problem Solving Non-Euclidian Geometry Mathematical Modeling Calculus III Physics I Real Analysis Computer Science</p>

Biology	<p><u>Biology</u> (8 credits) Biology I + Lab Biology II + Lab</p> <p><u>Chemistry</u> (4 credits) Chemistry I + Lab</p> <p><u>Biology Electives</u> (18 credits) may include, but are not limited to: Anatomy & Physiology Microbiology Botany Genetics Ecology Forensic Science Environmental Science Biochemistry</p>
Chemistry	<p><u>Chemistry</u> (16 credits) General Chemistry I + Lab General Chemistry II + Lab Organic Chemistry I + Lab Organic Chemistry II + Lab</p> <p><u>Physics</u> (4 credits) Physics I + Lab</p> <p><u>Chemistry Elective(s)</u> (10 credits) may include, but are not limited to: Biochemistry Inorganic Chemistry Analytical Chemistry Physical Chemistry Physics II</p>
Physics	<p><u>Physics</u> (8 credits) Physics I + Lab Physics II + Lab</p> <p><u>Mathematics</u> (4 credits) Calculus I</p> <p><u>Physics Electives</u> (18 credits) may include, but are not limited to: Acoustics, Optics, Waves Magnetism/Electromagnetism Thermodynamics, Heat, Energy Mechanical or Engineering Physics Modern/Nuclear Physics Quantum Physics Newtonian Physics Systems/ Advanced Problem Solving</p>