

# 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 and other materials for the six content Secondary Grades certification areas offered through TCP (English, Mathematics, Social Studies, Biology, Chemistry, and Physics).

Secondary Grades Certification Area	Guidance for analysis of content area knowledge and skills
English	<p><u>Writing</u> (6 credits) Composition I Composition II, Advanced Composition or Specialized Writing Course (e.g. prose, poetry)</p> <p><u>Literature</u> (18 credits) Introduction to Literature American Literature I American Literature II British Literature Shakespeare World/Non-Western Literature</p> <p><u>Elective(s)</u> Elective coursework, if needed, in English language/linguistics (strongly recommended), literature, writing, grammar or public speaking to achieve 30 credit hours.</p>
Mathematics	<p><u>Mathematics</u> College Algebra (or CLEP test for College Algebra) Geometry Trigonometry Statistics Precalculus (if needed) Calculus I Calculus II History of Mathematics Number Systems/Number Theory</p> <p><u>Elective(s)</u> Elective coursework, if needed, to achieve 30 credit hours (e.g. Linear Algebra, Non-Euclidian Geometry, Mathematical Modeling, Mathematical Problem Solving, CalculusIII, Real Analysis)</p>

<p>Social Studies</p>	<p><u>History</u>  US History I  US History II  Western Civilization I  Western Civilization II  A world history course  A Rhode Island history course</p> <p><u>Social Studies</u>  Economics  Geography  Government/civics/political science</p> <p><u>Elective(s)</u>  Elective coursework if needed, in history and/or social studies to achieve 30 credit hours</p>
<p>Biology</p>	<p><u>Biology</u>  Biology I + Lab  Biology II + Lab  Human Anatomy  Human Physiology  Microbiology/Genetics (Genetics preferred)  Ecology  Botany</p> <p><u>Chemistry</u>  Chemistry I + Lab</p> <p><u>Elective(s)</u>  Elective coursework, if needed, to achieve 30 credit hours (e.g. biochemistry)</p>
<p>Chemistry</p>	<p><u>Chemistry</u>  General Chemistry I + Lab  General Chemistry II + Lab  Organic Chemistry I + Lab  Organic Chemistry II + Lab  Biochemistry</p> <p><u>Physics</u>  Physics I + Lab</p> <p><u>Elective(s)</u>  Elective coursework, needed to achieve 30 credit hours (e.g. Physical Chemistry, Inorganic Chemistry, forensic science). One additional course in physics(e.g. Physics II with or without Lab) may also be used as an elective</p>

Physics	<p><u>Physics</u> Physics I + Lab Physics II + Lab Acoustics, Optics, Waves Thermodynamics, Heat, Energy Modern/Nuclear Physics Magnetism/Electromagnetism Mechanical or Engineering Physics</p> <p><u>Mathematics</u> Calculus I</p> <p><u>Elective(s)</u> Elective coursework in physics, if needed, to achieve 30 credit hours (e.g. Quantum Physics, Newtonian Physics, Systems/ Advanced Problem Solving)</p>
---------	--