

Alternate Diploma Graduation Course Options

Aligned to USBE Criteria for Graduation Requirements¹

Language Arts

Three courses aligned to the Alternate Achievement Standards, Essential Elements (EEs), for English Language Arts plus EE English 12 or 1.0 credit from the Applied and Advanced Courses.

Essential Elements (EEs) for English Language Arts Courses (3 required; 1 optional)	Applied and Advanced Courses ² (1 optional)
<ul style="list-style-type: none"> ➤ EE English 9 ➤ EE English 10 ➤ EE English 11 ➤ EE English 12 	<ul style="list-style-type: none"> ➤ 12th Grade Language Arts ➤ Basic Writing Skills ➤ Basic Reading Skills ➤ Business Communication ➤ College Prep Language Arts ➤ Creative Writing 1 and 2 ➤ Debate ➤ Humanities ➤ Journalism 1 and 2 ➤ Literature ➤ Literary Magazine ➤ Technical & Professional Communication ➤ World Languages 3, 4, or AP

¹ Substitutions are based on IEP team decisions. USBE Board Rule R277-705-5(1)(b)

² LEA may substitute other USBE-approved courses.

Mathematics

Three courses aligned to the Alternate Achievement Standards, Essential Elements (EEs), for Mathematics Secondary I, II, and III. Secondary III can be replaced by an advanced or applied course with written parent request.

Essential Elements for Mathematics Courses (3 required; can replace Secondary III with written parent request)	Advanced Courses (Pre-requisite: Secondary III)	Applied Courses¹ (Alternative selections for Secondary III) (Pre-requisite: Secondary II)
<ul style="list-style-type: none"> ➤ EE Math Secondary I ➤ EE Math Secondary II ➤ EE Math Secondary III ➤ EE Math for HS 	<ul style="list-style-type: none"> ➤ AP Calculus AB or BC ➤ AP Statistics ➤ College Prep Math ➤ Computer Programming ➤ Introductory Calculus ➤ Concurrent Enrollment² 1010, 1030, 1040, 1050, or 1060 ➤ International Baccalaureate 	<ul style="list-style-type: none"> ➤ Accounting I and II ➤ Mathematical Decision Making for Life (non-CE course) ➤ Mathematics of Personal Finance ➤ Medical Math ➤ Modern Mathematics ➤ Introductory Statistics ➤ Computer Programming

¹ LEA may substitute other USBE-approved courses.

² Concurrent enrollment (CE) courses offered from college/university language arts, mathematics, or science departments.

Science

Two courses aligned to the Alternate Achievement Standards, Extended Core Science (ECS), plus 1.0 credit from the applied and advanced courses or an additional 1.0 credit from the Extended Core Science courses.

Extended Core Science Courses (2 required; 1 optional)	Applied and Advanced Courses ¹ (1 optional)
<ul style="list-style-type: none"> ➤ ECS-Earth Systems ➤ ECS-Biology ➤ ECS-Chemistry ➤ ECS-Physics 	<ul style="list-style-type: none"> ➤ Aerospace Aeronautics ➤ Agricultural Biotechnology⁺ ➤ Agricultural Science⁺ I, II, III, IV ➤ Aquaculture⁺ ➤ Anatomy and Physiology[*] ➤ Animal Science⁺ I or II ➤ Astronomy[*] ➤ Biotechnology⁺ ➤ Botany ➤ Electronics⁺ 1, 2, 3 ➤ Engineering Principles⁺ 1, 2 ➤ Engineering Capstone⁺ ➤ Environmental Science[*] ➤ Equine Science⁺ ➤ Genetics[*] ➤ Geology[*] ➤ Human Physiology ➤ Marine Biology/Oceanography ➤ Material Science⁺ ➤ Medical Anatomy and Physiology⁺* ➤ Medical Forensics⁺ ➤ Meteorology[*] ➤ Natural Resource Science⁺ I, II ➤ Plant and Soil Science⁺ I*, II ➤ PLtW Digital Electronics⁺ ➤ PLtW Principles of Engineering⁺ ➤ Robotics⁺ 1, 2 ➤ Veterinary Assistant⁺ 1, 2 ➤ Wildlife Biology ➤ Zoology <p>+ = CTE Course * = Includes Applied/Advanced CE Course</p>

NOTE: Teachers currently meeting state license and endorsement requirements for an approved applied or advanced course are qualified to teach that course.

¹ LEA may substitute other USBE-approved courses.

Applied, advanced, or equivalent courses may be added to the list using the following procedure and criteria.

Language Arts Criteria

Determined by the local school board and approved by the Utah State Board of Education (USBE) using the following criteria.

- (i) courses are within the field/discipline of language arts with a significant portion of instruction aligned to language arts content, principles, knowledge, and skills; and
- (ii) courses provide instruction that leads to student understanding of the nature and disposition of language arts; and
- (iii) courses apply the fundamental concepts and skills of language arts; and
- (iv) courses provide developmentally appropriate content; and
- (v) courses develop skills in reading, writing, listening, speaking, and presentation.

Mathematics Criteria

Determined by the local school board and approved by the Utah State Board of Education (USBE) using the following criteria.

- (i) courses are within the field/discipline of mathematics with a significant portion of instruction aligned to mathematics content, principles, knowledge, and skills; and
- (ii) courses provide instruction that leads to student understanding of the nature and disposition of mathematics; and
- (iii) courses apply the fundamental concepts and skills of mathematics; and
- (iv) courses provide developmentally appropriate content; and
- (v) courses include the five process skills of mathematics: problem solving, reasoning, communication, connections, and representation.

Science Criteria

Determined by the local school board and approved by the Utah State Board of Education (USBE) using the following criteria.

- (i) courses are within the field/discipline of science with a significant portion of instruction aligned to science content, principles, knowledge, and skills; and
- (ii) courses provide instruction that leads to student understanding of the nature and disposition of science; and
- (iii) courses apply the fundamental concepts and skills of science; and
- (iv) courses provide developmentally appropriate content; and
- (v) courses include the areas of physical, natural, or applied sciences; and
- (vi) courses develop students' skills in scientific inquiry.