Alternate Diploma Graduation Course Options for Students with Significant Cognitive Disabilities
Aligned to USBE Criteria for Graduation Requirements

A student with a significant cognitive disability working toward earning an Alternate Diploma can be enrolled in general education courses. This will require significant modification of the grade-level curriculum. The alternate achievement standards provide the required modification to ensure students with significant cognitive disabilities can access the grade-level standards.

Language Arts- 4.0 Credits
Three courses from either the Alternate Achievement Standards Essential Elements (EEs) courses or the general education courses.

**Plus** EE English 12 or one credit from the Applied and Advanced Courses.

<table>
<thead>
<tr>
<th>Essential Elements (EEs) Courses</th>
<th>General Education Course</th>
<th>Applied and Advanced Courses² (1 optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td>➢ EE English 9</td>
<td>➢ English 9 or 9H</td>
<td>➢ 12th Grade Language Arts</td>
</tr>
<tr>
<td>➢ EE English 10</td>
<td>➢ English 10 or 10H</td>
<td>➢ Basic Writing Skills</td>
</tr>
<tr>
<td>➢ EE English 11</td>
<td>➢ English 11, 11H, or</td>
<td>➢ Basic Reading Skills</td>
</tr>
<tr>
<td>➢ EE English 12</td>
<td>courses listed below:</td>
<td>➢ Business Communication</td>
</tr>
<tr>
<td></td>
<td>➢ Concurrent Enrollment Courses**</td>
<td></td>
</tr>
<tr>
<td></td>
<td>➢ International Baccalaureate Classes**</td>
<td></td>
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<tr>
<td></td>
<td>➢ AP Literature and Composition**</td>
<td></td>
</tr>
<tr>
<td></td>
<td>➢ AP Language and Composition**</td>
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</tr>
<tr>
<td></td>
<td>** These courses can also be used for the one credit in Applied and Advanced.</td>
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</tr>
</tbody>
</table>

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- 3.0 Credits**

Three credits from either the Alternate Achievement Standards Essential Elements (EEs) courses or the general education courses; for Mathematics Secondary I, II, and III. Secondary III can be replaced by an applied course with written parent request (opt-out form recognizing not being prepared for college).

<table>
<thead>
<tr>
<th>Essential Elements Courses</th>
<th>General Education Courses</th>
<th>Advanced Courses (Pre-requisite: Secondary III)</th>
<th>Applied Courses¹ (Alternative selections for Secondary III Opt out) (Pre-requisite: Secondary II)</th>
</tr>
</thead>
</table>
| ➢ EE Math Secondary I      | ➢ Secondary I or Secondary I or I IH | ➢ AP Calculus AB or BC | ➢ Accounting I and II  
➢ Mathematical Decision Making for Life (non-CE course) |
| ➢ EE Math Secondary II     | ➢ Secondary II or Secondary II or II IH | ➢ AP Statistics | ➢ Mathematics of Personal Finance |
| ➢ EE Math Secondary III    | ➢ Secondary III or Secondary III or III IH | ➢ College Prep Math | ➢ Medical Math |
| ➢ EE Math for HS           | ➢ Precalculus              | ➢ Computer Programming | ➢ Modern Mathematics |
|                            |                           | ➢ Introductory Calculus | ➢ Introductory Statistics |
|                            |                           | ➢ Concurrent Enrollment² 1010, 1030, 1040, 1050, or 1060 | ➢ Computer Programming |
|                            |                           | ➢ International Baccalaureate |                                      |

¹ LEA may substitute other USBE-approved courses.
² Concurrent enrollment (CE) courses offered from college/university language arts, mathematics, or science departments.
Science- 3.0 Credits
Two credits from either the Alternate Achievement Standards Essential Elements (EEs) courses or the general education courses.
Plus one credit from the Alternate Achievement Standards Essential Elements (EEs) courses or the general education courses or the applied and advanced courses.

<table>
<thead>
<tr>
<th>Essential Elements (EEs) Courses</th>
<th>General Education Courses</th>
<th>Applied and Advanced Courses(^1) (1 optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td>➢ ECS-Earth Systems</td>
<td>Biology</td>
<td>➢ Aerospace Aeronautics</td>
</tr>
<tr>
<td>➢ ECS-Biology</td>
<td>➢ Biology</td>
<td>➢ Agricultural Biotechnology(^+)</td>
</tr>
<tr>
<td>➢ ECS-Chemistry</td>
<td>➢ Human Biology (including</td>
<td>➢ Agricultural Science(^+) I, II, III, IV</td>
</tr>
<tr>
<td>➢ ECS-Physics</td>
<td>CE)</td>
<td>➢ Aquaculture(^*)</td>
</tr>
<tr>
<td></td>
<td>➢ Biology: Agricultural</td>
<td>➢ Anatomy and Physiology(^*)</td>
</tr>
<tr>
<td></td>
<td>Science &amp; Technology(^+)</td>
<td>➢ Animal Science(^+) I or II</td>
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<tr>
<td></td>
<td>➢ AP or IB Biology</td>
<td>➢ Astronomy(^*)</td>
</tr>
<tr>
<td></td>
<td>➢ Biology with Lab CE(^2)</td>
<td>➢ Biotechnology(^*)</td>
</tr>
<tr>
<td></td>
<td>Chemistry</td>
<td>➢ Botany</td>
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<tr>
<td></td>
<td>➢ Chemistry</td>
<td>➢ Electronics(^+) 1, 2, 3</td>
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<tr>
<td></td>
<td>➢ AP or IB Chemistry</td>
<td>➢ Engineering Principles(^+) 1, 2</td>
</tr>
<tr>
<td></td>
<td>➢ Chemistry with Lab CE</td>
<td>➢ Engineering Capstone(^+)</td>
</tr>
<tr>
<td></td>
<td>Computer Science</td>
<td>➢ Environmental Science(^*)</td>
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<tr>
<td></td>
<td>➢ AP Computer Science(^+)</td>
<td>➢ Equine Science(^+)</td>
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<tr>
<td></td>
<td>➢ Computer Science</td>
<td>➢ Genetics(^*)</td>
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<td></td>
<td>Principles(^+)</td>
<td>➢ Geology(^*)</td>
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<tr>
<td></td>
<td>➢ Computer Programming(^+) II</td>
<td>➢ Human Physiology</td>
</tr>
<tr>
<td></td>
<td>Earth Science</td>
<td>➢ Marine Biology/Oceanography</td>
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<tr>
<td></td>
<td>➢ Earth Science</td>
<td>➢ Material Science(^*)</td>
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<tr>
<td></td>
<td>➢ AP EnvironmentalScience</td>
<td>➢ Medical Anatomy and Physiology(^*)</td>
</tr>
<tr>
<td></td>
<td>➢ IB Environmental Systems</td>
<td>➢ Medical Forensics(^+)</td>
</tr>
<tr>
<td>Physics</td>
<td>Physics</td>
<td>➢ Meteorology(^*)</td>
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<td></td>
<td>Physics with Technology</td>
<td>➢ Natural Resource Science(^+) I, II</td>
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<td></td>
<td>➢ AP or IB Physics</td>
<td>➢ Plant and Soil Science(^*) I, II</td>
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<td></td>
<td>➢ Physics with Lab CE</td>
<td>➢ PLtW Digital Electronics(^*)</td>
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<td>➢ PLtW Principles of Engineering(^+)</td>
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<td></td>
<td></td>
<td>➢ Robotics(^+) 1, 2</td>
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<tr>
<td></td>
<td></td>
<td>➢ Veterinary Assistant(^+) 1, 2</td>
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<tr>
<td></td>
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<td>➢ Wildlife Biology</td>
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<tr>
<td></td>
<td></td>
<td>➢ Zoology</td>
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</tbody>
</table>

NOTE: *Concurrent enrollment courses offered from college/university language arts, mathematics, science, or social studies departments.

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.
\(^+\) CTE Course
\(^*\) Includes Applied/Advanced CE Course
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.