

Item 18:

Discussion of Proposed Revisions to 19 TAC Chapter 231, Requirements for Public School Personnel Assignments

DISCUSSION

SUMMARY: This item provides the State Board for Educator Certification (SBEC) an opportunity to discuss proposed revisions to 19 TAC Chapter 231, Requirements for Public School Personnel Assignments. The proposed amendments would add the word “legacy” to all master teacher certificate references, would incorporate courses approved by the State Board of Education (SBOE), and would add certificate areas to the list of credentials appropriate for placement into an assignment.

STATUTORY AUTHORITY: The statutory authority for 19 TAC Chapter 231 is the Texas Education Code (TEC), §21.031(a) and §21.041(b)(1)–(2), and (TEC), 21.064, as amended by HB 3, 86th Texas Legislature, 2019.

TEC, §21.031(a), states that the SBEC shall regulate and oversee all aspects of the certification, continuing education, and standards of conduct of public school educators.

TEC, §21.041(b)(1), requires the SBEC to propose rules that provide for the regulation of educators and the general administration of the TEC, Chapter 21, Subchapter B, in a manner consistent with the TEC, Chapter 21, Subchapter B.

TEC, §21.041(b)(2), requires the SBEC to propose rules that specify the classes of educator certificates to be issued, including emergency certificates.

TEC, §21.064, as amended by HB 3, 86th Texas Legislature, Regular Session, 2019, required the SBEC to stop the issuance and renewal of master teacher certificates effective September 1, 2019, to add a designation of “legacy” to each master teacher certificate issued, and to recognize these certificates until they expire.

FUTURE ACTION EXPECTED: Texas Education Agency (TEA) staff anticipates presenting proposed revisions to 19 TAC Chapter 231, to the SBEC at the May 1, 2020 meeting for approval to be published in the *Texas Register*.

BACKGROUND INFORMATION AND JUSTIFICATION: The SBEC rules in 19 TAC Chapter 231 establishes the personnel assignments that correlate with appropriate certifications and are organized as follows: Subchapter A, Criteria for Assignment of Public School Personnel; Subchapter B, Prekindergarten–Grade 6 Assignments; Subchapter C, Grades 6–8 Assignments; Subchapter D, Electives, Disciplinary Courses, Local Credit Courses, and Innovative Courses, Grades 6–12 Assignments; Subchapter E, Grades 9–12 Assignments, Subchapter F, Special Education-Related Services Personnel Assignments, and Subchapter G, Paraprofessional Personnel, Administrators, and Other Instructional and Professional Support Assignments.

These subchapters provide guidance to school districts and educators by providing a listing of courses by grade level and subject area and identifying the corresponding certificates and other requirements for placement of individuals into classroom and/or campus assignments. This information assists districts with hiring and personnel assignment decisions.

Following is an overview of proposed revisions to 19 TAC Chapter 231, shown in Attachment II:

Subchapter B. Prekindergarten-Grade 6 Assignments through Subchapter E. Grades 9–12 Assignments

Proposed technical edits throughout the four subchapters (B through E) would identify all references to the master teacher certificate as a credential appropriate for placement into various assignments and add the word “legacy” in front of every master teacher certificate reference to read as “legacy master teacher certificate” as specified in House Bill 3.

Subchapter C, Grades 6–8 Assignments

§231.55. Languages Other Than English, Grades 6–8

The proposed amendment in §231.55(a) would update titles of SBOE-approved courses for Languages Other Than English for grades six through eight. The list of certificates appropriate to teach these courses remains the same.

Subchapter E, Grades 9–12 Assignments

To reflect courses approved by the SBOE and make other necessary updates, changes proposed in specified divisions would identify the appropriate certificates and/or training requirements for placement into various assignments as specified below:

Division 2. Languages Other Than English, Grades 9–12 Assignments

§231.151. Languages Other Than English, Grades 9–12

The proposed amendment in §231.151(a) would update titles of SBOE-approved courses for Languages Other Than English for grades six through eight. The list of certificates appropriate to teach these courses remains the same.

§231.153. American Sign Language, Grades 9–12

The proposed amendment in §231.153(a) would update titles of SBOE-approved courses for Languages Other Than English for grades six through eight. The list of certificates appropriate to teach these courses remains the same.

Division 3. Social Studies, Grades 9–12 Assignments

§231.179. Ethnic Studies, African American Studies Grades 9–12

Proposed new §231.179 would add the SBOE-approved course on African American studies to the list of course offerings in the Ethnic Studies section and include the list of credentials appropriate to serve in this assignment.

In addition to the proposed changes listed above, TEA staff anticipates proposing additional changes specific to career and technical education (CTE) assignments pending discussions and final decisions by the SBOE. The January 28–31, 2020 SBOE meetings were in progress as this SBEC agenda item was prepared, and TEA staff will benefit from discussions during the April 14–17, 2020 SBOE meetings as they finalize proposed rules for consideration at the May 1, 2020 SBEC meeting.

PUBLIC AND STUDENT BENEFIT: The public and student benefit will be clear guidance for districts on appropriate credentials for placement of individuals into classroom, administrative, and support personnel assignments.

Staff Member Responsible:

Marilyn Cook, Director, Educator Certification

Attachments:

- I. Statutory Citations
- II. Draft Text of Proposed Revisions to 19 TAC Chapter 231, Requirements for Public School Personnel Assignments

ATTACHMENT I**Statutory Citations Relating to Proposed Revisions to
19 TAC Chapter 231, Requirements for Public School Personnel Assignments****Texas Education Code, §21.003, Certification Required (excerpt):**

- (a) A person may not be employed as a teacher, teacher intern or teacher trainee, librarian, educational aide, administrator, educational diagnostician, or school counselor by a school district unless the person holds an appropriate certificate or permit issued as provided by Subchapter B.

Texas Education Code, §21.031, Purpose (excerpt):

- (a) The State Board for Educator Certification is established to recognize public school educators as professionals and to grant educators the authority to govern the standards of their profession. The board shall regulate and oversee all aspects of the certification, continuing education, and standards of conduct of public school educators.

Texas Education Code, §21.041, Rules; Fees (excerpt):

- (b) The board shall propose rules that:
 - (1) provide for the regulation of educators and the general administration of this subchapter in a manner consistent with this subchapter;
 - (2) specify the classes of educator certificates to be issued, including emergency certificates;

Texas Education Code, §21.064, Legacy Master Teacher Certifications, as amended by HB3, 86th Texas Legislature, Regular Session, 2019 (excerpts):

- (a) The board shall recognize a master teacher certificate issued under former Section 21.0481, 21.0482, 21.0483, or 21.0484 until the certificate expires. The board shall note a designation of "legacy" on the certificate.

ATTACHMENT II
Text of Proposed Revisions to 19 TAC**Chapter 231. Requirements for Public School Personnel Assignments****Subchapter B. Prekindergarten-Grade 6 Assignments****§231.9. General Education, Kindergarten.**

- (a) All-level certification in art, health education, music, physical education, speech communication and theatre arts, or theatre may be assigned to teach in the certified area(s) in Prekindergarten-Grade 12.
- (b) An assignment for General Education, Kindergarten, is allowed with one of the following certificates.
 - (1) Bilingual Generalist: Early Childhood-Grade 4.
 - (2) Bilingual Generalist: Early Childhood-Grade 6.
 - (3) Core Subjects: Early Childhood-Grade 6.
 - (4) Early Childhood Education (Prekindergarten and Kindergarten).
 - (5) Elementary Early Childhood Education (Prekindergarten-Grade 6).
 - (6) English as a Second Language Generalist: Early Childhood-Grade 4.
 - (7) English as a Second Language Generalist: Early Childhood-Grade 6.
 - (8) Generalist: Early Childhood-Grade 4.
 - (9) Generalist: Early Childhood-Grade 6.
 - (10) Kindergarten.
 - (11) Legacy Master Mathematics Teacher (Early Childhood-Grade 4) (Mathematics only).
 - (12) Legacy Master Reading Teacher (Early Childhood-Grade 12) (Reading only).
 - (13) Legacy Master Science Teacher (Early Childhood-Grade 4) (Science only).
 - (14) Prekindergarten-Grade 5--General.
 - (15) Prekindergarten-Grade 6--General.
 - (16) Teacher of Young Children--General.

§231.15. Elementary, Grades 1-6.

An assignment for Elementary, Grades 1-6, is allowed with one of the following certificates.

- (1) Bilingual Generalist: Early Childhood-Grade 4 (Grades 1-4 only).
- (2) Bilingual Generalist: Early Childhood-Grade 6.
- (3) Bilingual Generalist: Grades 4-8 (Grades 4-6 only).
- (4) Core Subjects: Early Childhood-Grade 6.
- (5) Core Subjects: Grades 4-8 (Grades 4-6 only).
- (6) Elementary--General.
- (7) Elementary--General (Grades 1-6).
- (8) Elementary--General (Grades 1-8).
- (9) Elementary Early Childhood Education (Prekindergarten-Grade 6).
- (10) Elementary Self-Contained (Grades 1-8).

- (11) English as a Second Language Generalist: Early Childhood-Grade 4 (Grades 1-4 only).
- (12) English as a Second Language Generalist: Early Childhood-Grade 6.
- (13) English as a Second Language Generalist: Grades 4-8 (Grades 4-6 only).
- (14) Generalist: Early Childhood-Grade 4 (Grades 1-4 only).
- (15) Generalist: Early Childhood-Grade 6.
- (16) Generalist: Grades 4-8 (Grades 4-6 only).
- (17) Legacy Master Mathematics Teacher (Early Childhood-Grade 4) (Mathematics in Grades 1-4 only).
- (18) Legacy Master Mathematics Teacher (Grades 4-8) (Mathematics in Grades 4-6 only).
- (19) Legacy Master Reading Teacher (Early Childhood-Grade 12) (Reading in Grades 1-6 only).
- (20) Legacy Master Science Teacher (Early Childhood-Grade 4) (Science in Grades 1-4 only).
- (21) Legacy Master Science Teacher (Grades 4-8) (Science in Grades 4-6 only).
- (22) Prekindergarten-Grade 5--General (Grades 1-5 only).
- (23) Prekindergarten-Grade 6--General.
- (24) Teacher of Young Children--General (Grades 1-3 only).

§231.17. Reading, Grades 1-6.

An assignment for Reading, Grades 1-6, is allowed with one of the following certificates.

- (1) A teacher certificate that matches the subject and grade level of the assignment (Prekindergarten-Grade 6).
- (2) An elementary teacher certificate appropriate for Grades 1-6 assignment.
- (3) Bilingual Generalist: Early Childhood-Grade 4 (Grades 1-4 only).
- (4) Bilingual Generalist: Early Childhood-Grade 6.
- (5) Bilingual Generalist: Grades 4-8 (Grades 4-6 only).
- (6) Core Subjects: Early Childhood-Grade 6.
- (7) Core Subjects: Grades 4-8 (Grades 4-6 only).
- (8) English as a Second Language Generalist: Early Childhood-Grade 4 (Grades 1-4 only).
- (9) English as a Second Language Generalist: Early Childhood-Grade 6.
- (10) English as a Second Language Generalist: Grades 4-8 (Grades 4-6 only).
- (11) English Language Arts and Reading: Grades 4-8 (Grades 4-6 only).
- (12) English Language Arts and Reading/Social Studies: Grades 4-8 (Grades 4-6 only).
- (13) Generalist: Early Childhood-Grade 4 (Grades 1-4 only).
- (14) Generalist: Early Childhood-Grade 6.
- (15) Generalist: Grades 4-8 (Grades 4-6 only).
- (16) Legacy Master Reading Teacher (Early Childhood-Grade-12).
- (17) Reading Specialist.
- (18) Reading Specialist (Early Childhood-Grade 12).

Subchapter C. Grades 6-8 Assignments

§231.49. Reading (At or Above Grade Level), Grades 6-8.

An assignment in a departmentalized classroom for Reading (at or above grade level), Grades 6-8, for a holder of a valid elementary, secondary, or all-level certificate is allowed with one of the following certificates.

- (1) Bilingual Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (2) Bilingual Generalist: Grades 4-8.
- (3) Core Subjects: Early Childhood-Grade 6 (Grade 6 only).
- (4) Core Subjects: Grades 4-8.
- (5) Elementary English (Grades 1-8). This assignment requires verifiable preparation in teaching of reading such as in-service, seminar, or college course in reading. Initial assignments beginning with the 1990-1991 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (6) Elementary Reading (Grades 1-8).
- (7) Elementary teacher certificate plus 18 semester credit hours in English and nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (8) English as a Second Language Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (9) English as a Second Language Generalist: Grades 4-8.
- (10) English Language Arts and Reading: Grades 4-8.
- (11) English Language Arts and Reading: Grades 7-12 (Grades 7 and 8 only).
- (12) English Language Arts and Reading: Grades 8-12 (Grade 8 only).
- (13) English Language Arts and Reading/Social Studies: Grades 4-8.
- (14) Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (15) Generalist: Grades 4-8.
- (16) Junior High School or High School--English.
- (17) Junior High School or High School--English Language Arts, Composite. This assignment includes at least six semester credit hours of reading. Initial assignments beginning with the 2003-2004 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (18) Junior High School or High School--Reading.
- (19) Legacy Master Reading Teacher (Early Childhood-Grade 12).
- (20) Reading Specialist.
- (21) Reading Specialist (Early Childhood-Grade 12).
- (22) Secondary English (Grades 6-8). This assignment requires verifiable preparation in teaching of reading such as in-service, seminar, or college course in reading. Initial assignments beginning with the 1990-1991 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (23) Secondary English Language Arts, Composite (Grades 6-8). This assignment includes at least six semester credit hours of reading. Initial assignments beginning with the 2003-2004 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.

- (24) Secondary Reading (Grades 6-8).
- (25) Secondary English (Grades 6-12). This assignment requires verifiable preparation in teaching of reading such as in-service, seminar, or college course in reading. Initial assignments beginning with the 1990-1991 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (26) Secondary English Language Arts, Composite (Grades 6-12). This assignment includes at least six semester credit hours of reading. Initial assignments beginning with the 2003-2004 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (27) Secondary Reading (Grades 6-12).
- (28) Secondary or all-level teacher certificate plus 18 semester credit hours in English and nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.

§231.51. Reading Improvement (One Year or More Below Grade Level), Grades 6-8.

An assignment in a departmentalized classroom for Reading Improvement (one year or more below grade level), Grades 6-8, for a holder of a valid elementary, secondary, or all-level certificate is allowed with one of the following certificates.

- (1) Bilingual Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (2) Bilingual Generalist: Grades 4-8.
- (3) Core Subjects: Early Childhood-Grade 6 (Grade 6 only).
- (4) Core Subjects: Grades 4-8.
- (5) Elementary English (Grades 1-8). This assignment requires verifiable preparation in teaching of reading such as in-service, seminar, or college course in reading. Initial assignments beginning with the 1990-1991 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (6) Elementary Reading (Grades 1-8).
- (7) Elementary teacher certificate plus 18 semester credit hours in English and nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (8) English as a Second Language Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (9) English as a Second Language Generalist: Grades 4-8.
- (10) English Language Arts and Reading: Grades 4-8.
- (11) English Language Arts and Reading: Grades 7-12 (Grades 7 and 8 only).
- (12) English Language Arts and Reading: Grades 8-12 (Grade 8 only).
- (13) English Language Arts and Reading/Social Studies: Grades 4-8.
- (14) Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (15) Generalist: Grades 4-8.
- (16) Grades 6-12 or Grades 6-8--English. This assignment requires verifiable preparation in the teaching of reading such as in-service, seminar, or college course in reading. Initial assignments beginning with the 1990-1991 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (17) Grades 6-12 or Grades 6-8--English Language Arts, Composite. This assignment includes at least six semester credit hours of reading. Initial assignments beginning with the 2003-2004 school year

- require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (18) Grades 6-12 or Grades 6-8--Reading.
 - (19) Junior High School or High School--English. This assignment requires verifiable preparation in the teaching of reading such as in-service, seminar, or college course in reading. Initial assignments beginning with the 1990-1991 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
 - (20) Junior High School or High School--English Language Arts, Composite. This assignment includes at least six semester credit hours of reading. Initial assignments beginning with the 2003-2004 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
 - (21) Junior High School or High School--Reading.
 - (22) Legacy Master Reading Teacher (Early Childhood-Grade 12).
 - (23) Reading Specialist.
 - (24) Reading Specialist (Early Childhood-Grade 12).
 - (25) Secondary English (Grades 6-12). This assignment requires verifiable preparation in the teaching of reading such as in-service, seminar, or college course in reading. Initial assignments beginning with the 1990-1991 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
 - (26) Secondary English Language Arts, Composite (Grades 6-12). This assignment includes at least six semester credit hours of reading. Initial assignments beginning with the 2003-2004 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
 - (27) Secondary Reading (Grades 6-12).
 - (28) Teacher certificate plus 9 semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.

§231.55. Languages Other Than English, Grades 6-8.

- (a) An assignment in a departmentalized classroom for Languages Other Than English, Levels I-IV, Classical Languages I-IV~~[Exploratory Languages, or Cultural and Linguistic Topics]~~, Grades 6-8, for a holder of a valid elementary, secondary, or all-level certificate is allowed with one of the following certificates.
 - (1) Elementary teacher certificate in the appropriate language of assignment.
 - (2) Elementary teacher certificate plus 18 semester credit hours in language of assignment.
 - (3) Languages Other Than English certificate in the appropriate language (Early Childhood-Grade 12).
 - (4) Secondary or all-level teacher certificate plus 18 semester credit hours in language of assignment.
 - (5) Secondary teacher certificate in the appropriate language of assignment.
- (b) An assignment in a departmentalized classroom for American Sign Language, Grades 6-8, for a holder of a valid secondary or all-level certificate is allowed with one of the following certificates.
 - (1) American Sign Language.
 - (2) American Sign Language: Early Childhood-Grade 12.
- (c) The Texas Assessment of Sign Communication-American Sign Language (TASC-ASL) is required for an American Sign Language assignment.

§231.61. Mathematics, Grades 6-8.

An assignment in a departmentalized classroom for Mathematics, Grades 6-8, for a holder of a valid elementary, secondary, or all-level certificate is allowed with one of the following certificates.

- (1) Bilingual Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (2) Bilingual Generalist: Grades 4-8.
- (3) Core Subjects: Early Childhood-Grade 6 (Grade 6 only).
- (4) Core Subjects: Grades 4-8.
- (5) Elementary Mathematics (Grades 1-8). A teacher holding an Elementary Mathematics (Grades 1-8) certificate may teach Algebra I at the middle school level for high school graduation credit.
- (6) Elementary teacher certificate plus 18 semester credit hours in mathematics.
- (7) English as a Second Language Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (8) English as a Second Language Generalist: Grades 4-8.
- (9) Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (10) Generalist: Grades 4-8.
- (11) Grades 6-12 or Grades 6-8--Mathematics.
- (12) Junior High School or High School--Mathematics.
- (13) Junior High School or High School--Mathematical Science, Composite.
- (14) Legacy Master Mathematics Teacher (Grades 4-8).
- (15) Legacy Master Mathematics Teacher (Grades 8-12) (Grade 8 only).
- (16) Mathematics: Grades 4-8. A teacher holding a Mathematics: Grades 4-8 certificate may teach Algebra I at the middle school level for high school graduation credit.
- (17) Mathematics: Grades 7-12 (Grades 7 and 8 only).
- (18) Mathematics: Grades 8-12 (Grade 8 only).
- (19) Mathematics/Physical Science/Engineering: Grades 6-12.
- (20) Mathematics/Physical Science/Engineering: Grades 8-12 (Grade 8 only).
- (21) Mathematics/Science: Grades 4-8.
- (22) Physics/Mathematics: Grades 7-12 (Grades 7 and 8 only).
- (23) Physics/Mathematics: Grades 8-12 (Grade 8 only).
- (24) Secondary Mathematics (Grades 6-12).
- (25) Secondary or all-level teacher certificate plus 18 semester credit hours in mathematics.

§231.63. Science, Grade 6.

An assignment in a departmentalized classroom for Science, Grade 6, for a holder of a valid elementary, secondary, or all-level certificate is allowed with one of the following certificates.

- (1) Any elementary teacher certificate appropriate for Grade 6.
- (2) Bilingual Generalist: Early Childhood-Grade 6.
- (3) Bilingual Generalist: Grades 4-8.
- (4) Core Subjects: Early Childhood-Grade 6.
- (5) Core Subjects: Grades 4-8.

- (6) English as a Second Language Generalist: Early Childhood-Grade 6.
- (7) English as a Second Language Generalist: Grades 4-8.
- (8) Generalist: Early Childhood-Grade 6.
- (9) Generalist: Grades 4-8.
- (10) Grades 6-12 or Grades 6-8--Biology.
- (11) Grades 6-12 or Grades 6-8--Chemistry.
- (12) Grades 6-12 or Grades 6-8--Earth Science.
- (13) Grades 6-12 or Grades 6-8--Life/Earth Science.
- (14) Grades 6-12 or Grades 6-8--Physical Science.
- (15) Grades 6-12 or Grades 6-8--Physics.
- (16) Grades 6-12 or Grades 6-8--Science.
- (17) Grades 6-12 or Grades 6-8--Science, Composite.
- (18) Junior High School or High School--Biology.
- (19) Junior High School or High School--Chemistry.
- (20) Junior High School or High School--Earth Science.
- (21) Junior High School or High School--Life/Earth Science.
- (22) Junior High School or High School--Life/Earth Middle-School Science.
- (23) Junior High School or High School--Physical Science.
- (24) Junior High School or High School--Physics.
- (25) Junior High School or High School--Science.
- (26) Junior High School or High School--Science, Composite.
- (27) Legacy Master Science Teacher (Grades 4-8).
- (28) Mathematics/Science: Grades 4-8.
- (29) Science: Grades 4-8.
- (30) Secondary Biology (Grades 6-12).
- (31) Secondary Chemistry (Grades 6-12).
- (32) Secondary Earth Science (Grades 6-12).
- (33) Secondary Life/Earth Science (Grades 6-12).
- (34) Secondary Physical Science (Grades 6-12).
- (35) Secondary Physics (Grades 6-12).
- (36) Secondary Science (Grades 6-12).
- (37) Secondary Science, Composite (Grades 6-12).
- (38) Secondary or all-level teacher certificate plus 18 semester credit hours in any combination of sciences.

§231.65. Science, Grades 7 and 8.

An assignment in a departmentalized classroom for Science, Grades 7 and 8, is allowed with one of the following certificates.

- (1) Bilingual Generalist: Grades 4-8.
- (2) Chemistry: Grades 7-12.
- (3) Chemistry: Grades 8-12 (Grade 8 only).
- (4) Core Subjects: Grades 4-8.
- (5) Elementary Biology.
- (6) Elementary Chemistry.
- (7) Elementary Earth Science.
- (8) Elementary Life/Earth Middle-School Science.
- (9) Elementary Physical Science.
- (10) Elementary Physics.
- (11) Elementary Biology (Grades 1-8).
- (12) Elementary Chemistry (Grades 1-8).
- (13) Elementary Earth Science (Grades 1-8).
- (14) Elementary Life/Earth Middle-School Science (Grades 1-8).
- (15) Elementary Physical Science (Grades 1-8).
- (16) Elementary Physics (Grades 1-8).
- (17) Elementary teacher certificate plus 18 semester credit hours in any combination of sciences.
- (18) English as a Second Language Generalist: Grades 4-8.
- (19) Generalist: Grades 4-8.
- (20) Grades 6-12 or Grades 6-8--Biology.
- (21) Grades 6-12 or Grades 6-8--Chemistry.
- (22) Grades 6-12 or Grades 6-8--Earth Science.
- (23) Grades 6-12 or Grades 6-8--Life/Earth Middle-School Science.
- (24) Grades 6-12 or Grades 6-8--Physical Science.
- (25) Grades 6-12 or Grades 6-8--Physics.
- (26) Grades 6-12 or Grades 6-8--Science.
- (27) Grades 6-12 or Grades 6-8--Science, Composite.
- (28) Junior High School or High School--Biology.
- (29) Junior High School or High School--Chemistry.
- (30) Junior High School or High School--Earth Science.
- (31) Junior High School or High School--Life/Earth Middle-School Science.
- (32) Junior High School or High School--Physical Science.
- (33) Junior High School or High School--Physics.
- (34) Junior High School or High School--Science.
- (35) Junior High School or High School--Science, Composite.
- (36) Life Science: Grades 7-12.
- (37) Life Science: Grades 8-12 (Grade 8 only).

- (38) Legacy Master Science Teacher (Grades 4-8).
- (39) Legacy Master Science Teacher (Grades 8-12) (Grade 8 only).
- (40) Mathematics/Physical Science/Engineering: Grades 6-12.
- (41) Mathematics/Physical Science/Engineering: Grades 8-12 (Grade 8 only).
- (42) Mathematics/Science: Grades 4-8.
- (43) Physical Science: Grades 6-12.
- (44) Physical Science: Grades 8-12 (Grade 8 only).
- (45) Physics/Mathematics: Grades 7-12.
- (46) Physics/Mathematics: Grades 8-12 (Grade 8 only).
- (47) Science: Grades 4-8.
- (48) Science: Grades 7-12.
- (49) Science: Grades 8-12 (Grade 8 only).
- (50) Secondary Biology (Grades 6-12).
- (51) Secondary Chemistry (Grades 6-12).
- (52) Secondary Earth Science (Grades 6-12).
- (53) Secondary Life/Earth Science (Grades 6-12).
- (54) Secondary Physical Science (Grades 6-12).
- (55) Secondary Physics (Grades 6-12).
- (56) Secondary Science (Grades 6-12).
- (57) Secondary Science, Composite (Grades 6-12).
- (58) Secondary or all-level teacher certificate plus 18 semester credit hours in any combination of sciences.

Subchapter E. Grades 9-12 Assignments

Division 1. English Language Arts and Reading, Grades 9-12 Assignments

§231.127. Reading I, II, and III, Grades 9-12.

An assignment for Reading I, II, and III, Grades 9-12, is allowed with one of the following certificates.

- (1) English Language Arts and Reading: Grades 7-12.
- (2) English Language Arts and Reading: Grades 8-12.
- (3) Grades 6-12 or Grades 9-12--English. This assignment requires verifiable preparation in the teaching of reading such as in-service, seminar, or college course in reading. Initial assignments beginning with the 1990-1991 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (4) Grades 6-12 or Grades 9-12--English Language Arts, Composite. This assignment includes at least six semester credit hours in reading. Initial assignments beginning with the 2003-2004 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (5) Grades 6-12 or Grades 9-12--Reading.

- (6) Junior High School (Grades 9-10 only) or High School--English. This assignment requires verifiable preparation in the teaching of reading such as in-service, seminar, or college course in reading. Initial assignments beginning with the 1990-1991 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (7) Junior High School (Grades 9-10 only) or High School--English Language Arts, Composite. This assignment includes at least six semester credit hours in reading. Initial assignments beginning with the 2003-2004 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (8) Junior High School (Grades 9-10 only) or High School--Reading.
- (9) Legacy Master Reading Teacher (Early Childhood-Grade 12).
- (10) Reading Specialist.
- (11) Reading Specialist (Early Childhood-Grade 12).
- (12) Secondary English (Grades 6-12). This assignment requires verifiable preparation in the teaching of reading such as in-service, seminar, or college course in reading. Initial assignments beginning with the 1990-1991 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (13) Secondary English Language Arts, Composite (Grades 6-12). This assignment includes at least six semester credit hours in reading. Initial assignments beginning with the 2003-2004 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (14) Secondary Reading (Grades 6-12).
- (15) Secondary or all-level teacher certificate plus nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques. Initial assignments beginning with the 1990-1991 school year require a teaching field in English plus nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.

§231.129. College Readiness and Study Skills, Grades 9-12.

An assignment for College Readiness and Study Skills, Grades 9-12, is allowed with one of the following certificates.

- (1) English Language Arts and Reading: Grades 7-12.
- (2) English Language Arts and Reading: Grades 8-12.
- (3) Grades 6-12 or Grades 9-12--English. This assignment requires verifiable preparation in the teaching of reading such as in-service, seminar, or college course in reading. Initial assignments beginning with the 1990-1991 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (4) Grades 6-12 or Grades 9-12--English Language Arts, Composite. This assignment includes at least six semester credit hours in reading. Initial assignments beginning with the 2003-2004 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (5) Grades 6-12 or Grades 9-12--Reading.
- (6) Junior High School (Grades 9-10 only) or High School--English. This assignment requires verifiable preparation in the teaching of reading such as in-service, seminar, or college course in reading. Initial assignments beginning with the 1990-1991 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.

- (7) Junior High School (Grades 9-10 only) or High School--English Language Arts, Composite. This assignment includes at least six semester credit hours in reading. Initial assignments beginning with the 2003-2004 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (8) Junior High School (Grades 9-10 only) or High School--Reading.
- (9) Legacy Master Reading Teacher (Early Childhood-Grade 12).
- (10) Reading Specialist.
- (11) Reading Specialist (Early Childhood-Grade 12).
- (12) Secondary English (Grades 6-12). This assignment requires verifiable preparation in the teaching of reading such as in-service, seminar, or college course in reading. Initial assignments beginning with the 1990-1991 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (13) Secondary English Language Arts, Composite (Grades 6-12). This assignment includes at least six semester credit hours in reading. Initial assignments beginning with the 2003-2004 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (14) Secondary Reading (Grades 6-12).

Division 2. Languages Other Than English, Grades 9-12 Assignments

§231.151. Languages Other Than English, Grades 9-12.

An assignment for Languages Other Than English, Levels I-VII, Classical Languages I-VII, Discovering Languages and Cultures, Seminar in Languages Other Than English, Seminar in Classical Languages, Advanced Language for Career Exploration, [~~Exploratory Languages, Cultural and Linguistic Topics,~~] or Special Topics in Language and Culture, Grades 9-12, is allowed with one of the following certificates.

- (1) Languages Other Than English certificate in the appropriate language (Early Childhood-Grade 12).
- (2) Secondary teacher certificate in the appropriate language of assignment.

§231.153. American Sign Language, Grades 9-12.

- (a) An assignment for American Sign Language, Levels I-IV, Grades 9-12, is allowed with one of the following certificates.
 - (1) American Sign Language.
 - (2) American Sign Language: Early Childhood-Grade 12.
- (b) The Texas Assessment of Sign Communication-American Sign Language (TASC-ASL) is required for an American Sign Language assignment.

Division 3. Social Studies, Grades 9-12 Assignments

§231.179. Ethnic Studies: African American Studies, Grades 9-12.

An assignment for Ethnic Studies: African American Studies, Grades 9-12, is allowed with one of the following certificates.

- (1) Grades 6-12 or Grades 9-12--History.
- (2) Grades 6-12 or Grades 9-12--Social Studies.
- (3) Grades 6-12 or Grades 9-12--Social Studies, Composite.

- (4) History: Grades 7-12.
- (5) History: Grades 8-12.
- (6) Junior High School (Grades 9-10 only) or High School--History.
- (7) Junior High School (Grades 9-10 only) or High School--Social Science, Composite.
- (8) Secondary History (Grades 6-12).
- (9) Secondary Social Studies (Grades 6-12).
- (10) Secondary Social Studies, Composite (Grades 6-12).
- (11) Social Studies: Grades 7-12.
- (12) Social Studies: Grades 8-12.

Division 4. Mathematics, Grades 9-12 Assignments

§231.191. Mathematics, Grades 9-12.

An assignment for Mathematics, Grades 9-12, is allowed with one of the following certificates.

- (1) Grades 6-12 or Grades 9-12--Mathematics.
- (2) Junior High School (Grades 9-10 only) or High School--Mathematics.
- (3) Junior High School (Grades 9-10 only) or High School--Mathematical Science, Composite.
- (4) Legacy Master Mathematics Teacher (Grades 8-12).
- (5) Mathematics: Grades 7-12.
- (6) Mathematics: Grades 8-12.
- (7) Mathematics/Physical Science/Engineering: Grades 6-12.
- (8) Mathematics/Physical Science/Engineering: Grades 8-12.
- (9) Physics/Mathematics: Grades 7-12.
- (10) Physics/Mathematics: Grades 8-12.
- (11) Secondary Mathematics (Grades 6-12).

§231.193. Algebraic Reasoning, Grades 9-12.

An assignment for Algebraic Reasoning, Grades 9-12, is allowed with one of the following certificates.

- (1) Grades 6-12 or Grades 9-12--Mathematics.
- (2) Junior High School (Grades 9-10 only) or High School--Mathematics.
- (3) Junior High School (Grades 9-10 only) or High School--Mathematical Science, Composite.
- (4) Legacy Master Mathematics Teacher (Grades 8-12).
- (5) Mathematics: Grades 7-12.
- (6) Mathematics: Grades 8-12.
- (7) Mathematics/Physical Science/Engineering: Grades 6-12.
- (8) Mathematics/Physical Science/Engineering: Grades 8-12.
- (9) Physics/Mathematics: Grades 7-12.
- (10) Physics/Mathematics: Grades 8-12.
- (11) Secondary Mathematics (Grades 6-12).

§231.195. Statistics, Grades 9-12.

An assignment for Statistics, Grades 9-12, is allowed with one of the following certificates.

- (1) Grades 6-12 or Grades 9-12--Mathematics.
- (2) Junior High School (Grades 9-10 only) or High School--Mathematics.
- (3) Junior High School (Grades 9-10 only) or High School--Mathematical Science, Composite.
- (4) Legacy Master Mathematics Teacher (Grades 8-12).
- (5) Mathematics: Grades 7-12.
- (6) Mathematics: Grades 8-12.
- (7) Mathematics/Physical Science/Engineering: Grades 6-12.
- (8) Mathematics/Physical Science/Engineering: Grades 8-12.
- (9) Physics/Mathematics: Grades 7-12.
- (10) Physics/Mathematics: Grades 8-12.
- (11) Secondary Mathematics (Grades 6-12).

Division 5. Science, Grades 9-12 Assignments**§231.201. Biology, Grades 9-12.**

An assignment for Biology, Grades 9-12, is allowed with one of the following certificates.

- (1) Grades 6-12 or Grades 9-12--Biology.
- (2) Grades 6-12 or Grades 9-12--Science.
- (3) Grades 6-12 or Grades 9-12--Science, Composite.
- (4) Junior High School (Grades 9-10 only) or High School--Biology.
- (5) Junior High School (Grades 9-10 only) or High School--Science.
- (6) Junior High School (Grades 9-10 only) or High School--Science, Composite.
- (7) Life Science: Grades 7-12.
- (8) Life Science: Grades 8-12.
- (9) Legacy Master Science Teacher (Grades 8-12).
- (10) Science: Grades 7-12.
- (11) Science: Grades 8-12.
- (12) Secondary Biology (Grades 6-12).
- (13) Secondary Science (Grades 6-12).
- (14) Secondary Science, Composite (Grades 6-12).

§231.203. Chemistry, Grades 9-12.

An assignment for Chemistry, Grades 9-12, is allowed with one of the following certificates.

- (1) Chemistry: Grades 7-12.
- (2) Chemistry: Grades 8-12.
- (3) Grades 6-12 or Grades 9-12--Chemistry.
- (4) Grades 6-12 or Grades 9-12--Science.

- (5) Grades 6-12 or Grades 9-12--Science, Composite.
- (6) Junior High School (Grades 9-10 only) or High School--Chemistry.
- (7) Junior High School (Grades 9-10 only) or High School--Science.
- (8) Junior High School (Grades 9-10 only) or High School--Science, Composite.
- (9) Legacy Master Science Teacher (Grades 8-12).
- (10) Mathematics/Physical Science/Engineering: Grades 6-12.
- (11) Mathematics/Physical Science/Engineering: Grades 8-12.
- (12) Physical Science: Grades 6-12.
- (13) Physical Science: Grades 8-12.
- (14) Science: Grades 7-12.
- (15) Science: Grades 8-12.
- (16) Secondary Chemistry (Grades 6-12).
- (17) Secondary Science (Grades 6-12).
- (18) Secondary Science, Composite (Grades 6-12).

§231.205. Physics, Grades 9-12.

An assignment for Physics, Grades 9-12, is allowed with one of the following certificates.

- (1) Grades 6-12 or Grades 9-12--Physics.
- (2) Grades 6-12 or Grades 9-12--Science.
- (3) Grades 6-12 or Grades 9-12--Science, Composite.
- (4) Junior High School (Grades 9-10 only) or High School--Physics.
- (5) Junior High School (Grades 9-10 only) or High School--Science.
- (6) Junior High School (Grades 9-10 only) or High School--Science, Composite.
- (7) Legacy Master Science Teacher (Grades 8-12).
- (8) Mathematics/Physical Science/Engineering: Grades 6-12.
- (9) Mathematics/Physical Science/Engineering: Grades 8-12.
- (10) Physical Science: Grades 6-12.
- (11) Physical Science: Grades 8-12.
- (12) Physics/Mathematics: Grades 7-12.
- (13) Physics/Mathematics: Grades 8-12.
- (14) Science: Grades 7-12.
- (15) Science: Grades 8-12.
- (16) Secondary Physics (Grades 6-12).
- (17) Secondary Science (Grades 6-12).
- (18) Secondary Science, Composite (Grades 6-12).

§231.207. Integrated Physics and Chemistry, Grades 9-12.

An assignment for Integrated Physics and Chemistry, Grades 9-12, is allowed with one of the following certificates.

- (1) Grades 6-12 or Grades 9-12--Physical Science.
- (2) Grades 6-12 or Grades 9-12--Science.
- (3) Grades 6-12 or Grades 9-12--Science, Composite.
- (4) Junior High School (Grades 9-10 only) or High School--Chemistry, if issued prior to September 1, 1976.
- (5) Junior High School (Grades 9-10 only) or High School--Physical Science.
- (6) Junior High School (Grades 9-10 only) or High School--Physics, if issued prior to September 1, 1976.
- (7) Junior High School (Grades 9-10 only) or High School--Science.
- (8) Junior High School (Grades 9-10 only) or High School--Science, Composite.
- (9) Legacy Master Science Teacher (Grades 8-12).
- (10) Mathematics/Physical Science/Engineering: Grades 6-12.
- (11) Mathematics/Physical Science/Engineering: Grades 8-12.
- (12) Physical Science: Grades 6-12.
- (13) Physical Science: Grades 8-12.
- (14) Science: Grades 7-12.
- (15) Science: Grades 8-12.
- (16) Secondary Physical Science (Grades 6-12).
- (17) Secondary Science (Grades 6-12).
- (18) Secondary Science, Composite (Grades 6-12).
- (19) Secondary or All-Level classroom teaching certificate dated between September 1, 1966, and September 1, 1976, plus 24 semester credit hours in a combination of sciences completed prior to September 1, 1976.

§231.209. Principles of Technology, Grades 9-12.

- (a) An assignment for Principles of Technology, Grades 9-12, is allowed with one of the following certificates.
 - (1) Grades 6-12 or Grades 9-12--Industrial Arts.
 - (2) Grades 6-12 or Grades 9-12--Industrial Technology.
 - (3) Grades 6-12 or Grades 9-12--Physics.
 - (4) Grades 6-12 or Grades 9-12--Science.
 - (5) Grades 6-12 or Grades 9-12--Science, Composite.
 - (6) Junior High School (Grades 9-10 only) or High School--Industrial Arts.
 - (7) Junior High School (Grades 9-10 only) or High School--Physics.
 - (8) Junior High School (Grades 9-10 only) or High School--Science, Composite.
 - (9) Legacy Master Science Teacher (Grades 8-12).
 - (10) Mathematics/Physical Science/Engineering: Grades 6-12.
 - (11) Mathematics/Physical Science/Engineering: Grades 8-12.
 - (12) Physical Science: Grades 6-12.
 - (13) Physical Science: Grades 8-12.

- (14) Physics/Mathematics: Grades 7-12.
 - (15) Physics/Mathematics: Grades 8-12.
 - (16) Science: Grades 7-12.
 - (17) Science: Grades 8-12.
 - (18) Secondary Industrial Arts (Grades 6-12).
 - (19) Secondary Industrial Technology (Grades 6-12).
 - (20) Secondary Physics (Grades 6-12).
 - (21) Secondary Science (Grades 6-12).
 - (22) Secondary Science, Composite (Grades 6-12).
 - (23) Technology Education: Grades 6-12.
- (b) An assignment for Principles of Technology, Grades 9-12, may also be taught with a vocational agriculture certificate or a trades and industry certificate with verifiable physics applications experience in business and industry, if assigned prior to the 1998-1999 school year. Six semester credit hours of college physics, chemistry, or electricity/electronics may be substituted for the business and industry experience.

§231.211. Astronomy, Grades 9-12.

An assignment for Astronomy, Grades 9-12, is allowed with one of the following certificates.

- (1) Grades 6-12 or Grades 9-12--Earth Science.
- (2) Grades 6-12 or Grades 9-12--Science.
- (3) Grades 6-12 or Grades 9-12--Science, Composite.
- (4) Junior High School (Grades 9-10 only) or High School--Earth Science.
- (5) Junior High School (Grades 9-10 only) or High School--Science.
- (6) Junior High School (Grades 9-10 only) or High School--Science, Composite.
- (7) Legacy Master Science Teacher (Grades 8-12).
- (8) Mathematics/Physical Science/Engineering: Grades 6-12.
- (9) Mathematics/Physical Science/Engineering: Grades 8-12.
- (10) Physical Science: Grades 6-12.
- (11) Physical Science: Grades 8-12.
- (12) Physics/Mathematics: Grades 7-12.
- (13) Physics/Mathematics: Grades 8-12.
- (14) Science: Grades 7-12.
- (15) Science: Grades 8-12.
- (16) Secondary Earth Science (Grades 6-12).
- (17) Secondary Physics (Grades 6-12).
- (18) Secondary Science (Grades 6-12).
- (19) Secondary Science, Composite (Grades 6-12).

§231.213. Earth and Space Science, Grades 9-12.

An assignment for Earth and Space Science, Grades 9-12, is allowed with one of the following certificates.

- (1) Grades 6-12 or Grades 9-12--Earth Science.
- (2) Grades 6-12 or Grades 9-12--Science.
- (3) Grades 6-12 or Grades 9-12--Science, Composite.
- (4) Junior High School (Grades 9-10 only) or High School--Earth Science.
- (5) Junior High School (Grades 9-10 only) or High School--Science.
- (6) Junior High School (Grades 9-10 only) or High School--Science, Composite.
- (7) Legacy Master Science Teacher (Grades 8-12).
- (8) Mathematics/Physical Science/Engineering: Grades 6-12.
- (9) Mathematics/Physical Science/Engineering: Grades 8-12.
- (10) Physical Science: Grades 6-12.
- (11) Physical Science: Grades 8-12.
- (12) Science: Grades 7-12.
- (13) Science: Grades 8-12.
- (14) Secondary Earth Science (Grades 6-12).
- (15) Secondary Science (Grades 6-12).
- (16) Secondary Science, Composite (Grades 6-12).

§231.215. Environmental Systems, Environmental Science, and Aquatic Science, Grades 9-12.

- (a) An assignment for Environmental Systems, Advanced Placement (AP) Environmental Science, International Baccalaureate (IB) Environmental Systems, or Aquatic Science, Grades 9-12, is allowed with one of the following certificates.
- (1) Chemistry: Grades 7-12.
 - (2) Chemistry: Grades 8-12.
 - (3) Grades 6-12 or Grades 9-12--Biology.
 - (4) Grades 6-12 or Grades 9-12--Earth Science.
 - (5) Grades 6-12 or Grades 9-12--Science.
 - (6) Grades 6-12 or Grades 9-12--Science, Composite.
 - (7) Junior High School (Grades 9-10 only) or High School--Biology.
 - (8) Junior High School (Grades 9-10 only) or High School--Earth Science.
 - (9) Junior High School (Grades 9-10 only) or High School--Science.
 - (10) Junior High School (Grades 9-10 only) or High School--Science, Composite.
 - (11) Life Science: Grades 7-12 or Grades 8-12.
 - (12) Legacy Master Science Teacher (Grades 8-12).
 - (13) Science: Grades 7-12.
 - (14) Science: Grades 8-12.
 - (15) Secondary Biology (Grades 6-12).
 - (16) Secondary Earth Science (Grades 6-12).
 - (17) Secondary Science (Grades 6-12).

- (18) Secondary Science, Composite (Grades 6-12).
- (b) An assignment for Environmental Systems, AP Environmental Science, or IB Environmental Systems, Grades 9-12, is allowed with a valid secondary or all-level teacher certificate plus 24 semester credit hours in science, including at least 12 semester credit hours in environmental science and/or ecology if assigned prior to the 1989-1990 school year or any science teaching certificate with 12 semester credit hours in environmental science and/or ecology.

§231.217. Anatomy and Physiology, Medical Microbiology, and Pathophysiology, Grades 9-12.

An assignment for Anatomy and Physiology, Medical Microbiology, or Pathophysiology, Grades 9-12, is allowed with one of the following certificates.

- (1) Grades 6-12 or Grades 9-12--Biology.
- (2) Grades 6-12 or Grades 9-12--Science.
- (3) Grades 6-12 or Grades 9-12--Science, Composite.
- (4) Health Science: Grades 6-12.
- (5) Health Science Technology.
- (6) Health Science Technology Education: Grades 8-12.
- (7) Junior High School (Grades 9-10 only) or High School--Biology.
- (8) Junior High School (Grades 9-10 only) or High School--Science.
- (9) Junior High School (Grades 9-10 only) or High School--Science, Composite.
- (10) Life Science: Grades 7-12.
- (11) Life Science: Grades 8-12.
- (12) Legacy Master Science Teacher (Grades 8-12).
- (13) Science: Grades 7-12.
- (14) Science: Grades 8-12.
- (15) Secondary Biology (Grades 6-12).
- (16) Secondary Science (Grades 6-12).
- (17) Secondary Science, Composite (Grades 6-12).
- (18) Vocational Handicapped Health.
- (19) Vocational Health Occupations.
- (20) Vocational Health Occupations/Cooperative Training.
- (21) Vocational Health Occupations/Pre-employment Lab.

§231.219. Scientific Research and Design, Grades 9-12.

An assignment for Scientific Research and Design, Grades 9-12, is allowed with one of the following certificates.

- (1) Any vocational or career and technical education certificate specified in §233.13 of this title (relating to Career and Technical Education (Certificates not requiring experience and preparation in a skill area)) or §233.14 of this title (relating to Career and Technical Education (Certificates requiring experience and preparation in a skill area)) with a bachelor's degree and 18 semester credit hours in any combination of sciences.
- (2) Any science certificate valid for Grades 6-12, Grades 7-12, or Grades 8-12.
- (3) Any secondary science teaching field.

- (4) Legacy Master Science Teacher (Grades 8-12).

Division 8. Technology Applications, Grades 9-12 Assignments

§231.255. Discrete Mathematics for Computer Science, Grades 9-12.

An assignment for Discrete Mathematics for Computer Science, Grades 9-12, is allowed with one of the following certificates.

- (1) Computer Science: Grades 8-12.
- (2) Grades 6-12 or Grades 9-12--Computer Information Systems.
- (3) Junior High School (Grades 9-10 only) or High School--Computer Information Systems.
- (4) Legacy Master Mathematics Teacher (Grades 8-12).
- (5) Mathematics: Grades 7-12.
- (6) Mathematics: Grades 8-12.
- (7) Mathematics/Physical Science/Engineering: Grades 6-12.
- (8) Mathematics/Physical Science/Engineering: Grades 8-12.
- (9) Physics/Mathematics: Grades 7-12.
- (10) Physics/Mathematics: Grades 8-12.
- (11) Secondary Computer Information Systems (Grades 6-12).

Division 9. Career Development, Grades 9-12 Assignments

§231.271. Career Development, Grades 9-12.

- (a) Subject to the requirements in subsection (e) of this section, an assignment for Career Preparation I, Career Preparation II, or Extended Career Preparation, Grades 9-12, is allowed with any vocational or career and technical education (CTE) classroom teaching certificate specified in §233.13 of this title (relating to Career and Technical Education (Certificates not requiring experience and preparation in a skill area)) or §233.14 of this title (relating to Career and Technical Education (Certificates requiring experience and preparation in a skill area)).
- (b) An assignment for Project-Based Research, Grades 9-12, is allowed with any vocational or CTE classroom teaching certificate specified in §233.13 of this title or §233.14 of this title.
- (c) An assignment for Applied Mathematics for Technical Professionals, Grades 9-12, is allowed with one of the following certificates:
 - (1) Any vocational or CTE classroom teaching certificate specified in §233.13 of this title or §233.14 of this title. This assignment requires a bachelor's degree.
 - (2) Grades 6-12 or Grades 9-12 Mathematics.
 - (3) Legacy Master Mathematics Teacher (Grades 8-12).
 - (4) Mathematics: Grades 7-12.
 - (5) Mathematics: Grades 8-12.
 - (6) Mathematics/Physical Science/Engineering: Grades 6-12.
 - (7) Mathematics/Physical Science/Engineering: Grades 8-12.
 - (8) Physics/Mathematics: Grades 7-12.
 - (9) Physics/Mathematics: Grades 8-12.

- (10) Secondary Mathematics (Grades 6-12).
- (d) All teachers assigned to Applied Mathematics for Technical Professionals shall participate in Texas Education Agency-approved training prior to teaching this course effective with the 2019-2020 school year. Specific details about the required training can be found at tea.texas.gov/cte.
- (e) The school district is responsible for ensuring that each teacher assigned to Career Preparation I, Career Preparation II, or Extended Career Preparation, Grades 9-12, has completed appropriate training in state and federal requirements regarding work-based learning and safety.

Division 10. Agriculture, Food, and Natural Resources, Grades 9-12 Assignments

§231.283. Advanced Animal Science and Advanced Plant and Soil Science, Grades 9-12.

- (a) Subject to the requirements in subsection (b) of this section, an assignment for Advanced Animal Science or Advanced Plant and Soil Science, Grades 9-12, is allowed with one of the following certificates.
 - (1) Agriculture, Food, and Natural Resources: Grades 6-12.
 - (2) Agricultural Science and Technology: Grades 6-12.
 - (3) Any vocational agriculture certificate.
 - (4) Life Science: Grades 7-12.
 - (5) Life Science: Grades 8-12.
 - (6) Legacy Master Science Teacher (Grades 8-12).
 - (7) Science: Grades 7-12.
 - (8) Science: Grades 8-12.
 - (9) Secondary Biology (Grades 6-12).
 - (10) Secondary Science, Composite (Grades 6-12).
- (b) All teachers assigned to these courses shall participate in Texas Education Agency-approved training prior to teaching these courses effective with the 2019-2020 school year. Specific details about the required training can be found at tea.texas.gov/cte.

§231.287. Mathematical Applications in Agriculture, Food, and Natural Resources, Grades 9-12.

- (a) Subject to the requirements in subsection (b) of this section, an assignment for Mathematical Applications in Agriculture, Food, and Natural Resources, Grades 9-12, is allowed with one of the following certificates.
 - (1) Agriculture, Food, and Natural Resources: Grades 6-12.
 - (2) Agricultural Science and Technology: Grades 6-12.
 - (3) Any vocational agriculture certificate.
 - (4) Legacy Master Mathematics Teacher (Grades 8-12).
 - (5) Mathematics: Grades 7-12.
 - (6) Mathematics: Grades 8-12.
 - (7) Mathematics/Physical Science/Engineering: Grades 6-12.
 - (8) Mathematics/Physical Science/Engineering: Grades 8-12.
 - (9) Physics/Mathematics: Grades 7-12.
 - (10) Physics/Mathematics: Grades 8-12.
 - (11) Secondary Mathematics (Grades 6-12).

- (b) All teachers assigned to this course shall participate in Texas Education Agency-approved training prior to teaching this course effective with the 2019-2020 school year. Specific details about the required training can be found at tea.texas.gov/cte.

Division 15. Finance, Grades 9-12 Assignments

§231.395. Financial Mathematics, Grades 9-12.

- (a) An assignment for Financial Mathematics, Grades 9-12, is allowed with one of the following certificates.
- (1) Any business or office education certificate.
 - (2) Business and Finance: Grades 6-12.
 - (3) Business Education: Grades 6-12.
 - (4) Legacy Master Mathematics Teacher (Grades 8-12).
 - (5) Mathematics: Grades 7-12.
 - (6) Mathematics: Grades 8-12.
 - (7) Mathematics/Physical Science/Engineering: Grades 6-12.
 - (8) Mathematics/Physical Science/Engineering: Grades 8-12.
 - (9) Physics/Mathematics: Grades 7-12.
 - (10) Physics/Mathematics: Grades 8-12.
 - (11) Secondary Mathematics (Grades 6-12).
- (b) All teachers assigned to this course shall participate in Texas Education Agency-approved training prior to teaching this course effective with the 2019-2020 school year. Specific details about the required training can be found at tea.texas.gov/cte.

§231.397. Accounting II, Grades 9-12.

- (a) Subject to the requirements in subsection (b) of this section, an assignment for Accounting II, Grades 9-12, is allowed with one of the following certificates.
- (1) Any business or office education certificate.
 - (2) Business and Finance: Grades 6-12.
 - (3) Business Education: Grades 6-12.
 - (4) Legacy Master Mathematics Teacher (Grades 8-12).
 - (5) Mathematics: Grades 7-12.
 - (6) Mathematics: Grades 8-12.
 - (7) Mathematics/Physical Science/Engineering: Grades 6-12.
 - (8) Mathematics/Physical Science/Engineering: Grades 8-12.
 - (9) Physics/Mathematics: Grades 7-12.
 - (10) Physics/Mathematics: Grades 8-12.
 - (11) Secondary Mathematics (Grades 6-12).
- (b) All teachers assigned to this course shall participate in Texas Education Agency-approved training prior to teaching this course effective with the 2019-2020 school year. Specific details about the required training can be found at tea.texas.gov/cte.

Division 17. Health Science, Grades 9-12 Assignments**§231.423. Anatomy and Physiology, Medical Microbiology, and Pathophysiology, Grades 9-12.**

- (a) An assignment for Anatomy and Physiology, Medical Microbiology, or Pathophysiology, Grades 9-12, is allowed with one of the following certificates.
- (1) Secondary Biology (Grades 6-12).
 - (2) Secondary Science (Grades 6-12).
 - (3) Secondary Science, Composite (Grades 6-12).
 - (4) Health Science: Grades 6-12. This assignment requires a bachelor's degree.
 - (5) Health Science Technology Education: Grades 8-12. This assignment requires a bachelor's degree.
 - (6) Life Science: Grades 7-12.
 - (7) Life Science: Grades 8-12.
 - (8) Legacy Master Science Teacher (Grades 8-12).
 - (9) Science: Grades 7-12.
 - (10) Science: Grades 8-12.
 - (11) Vocational Health Occupations. This assignment requires a bachelor's degree.
 - (12) Vocational Health Science Technology. This assignment requires a bachelor's degree.
- (b) All teachers assigned to this course shall participate in Texas Education Agency-approved training prior to teaching this course effective with the 2019-2020 school year. Specific details about the required training can be found at tea.texas.gov/cte.

§231.425. Mathematics for Medical Professionals, Grades 9-12.

- (a) An assignment for Mathematics for Medical Professionals, Grades 9-12, is allowed with one of the following certificates.
- (1) Health Science: Grades 6-12. This assignment requires a bachelor's degree.
 - (2) Health Science Technology Education: Grades 8-12. This assignment requires a bachelor's degree.
 - (3) Vocational Health Occupations. This assignment requires a bachelor's degree.
 - (4) Vocational Health Science Technology. This assignment requires a bachelor's degree.
 - (5) Legacy Master Mathematics Teacher (Grades 8-12).
 - (6) Mathematics: Grades 7-12.
 - (7) Mathematics: Grades 8-12.
 - (8) Mathematics/Physical Science/Engineering: Grades 6-12.
 - (9) Mathematics/Physical Science/Engineering: Grades 8-12.
 - (10) Physics/Mathematics: Grades 7-12.
 - (11) Physics/Mathematics: Grades 8-12.
 - (12) Secondary Mathematics.
- (b) All teachers assigned to this course shall participate in Texas Education Agency-approved training prior to teaching this course effective with the 2019-2020 school year. Specific details about the required training can be found at tea.texas.gov/cte.

Division 18. Hospitality and Tourism, Grades 9-12 Assignments**§231.445. Food Science, Grades 9-12.**

- (a) Subject to the requirements in subsection (b) of this section, an assignment for Food Science, Grades 9-12, is allowed with one of the following certificates.
- (1) Any home economics or homemaking certificate.
 - (2) Chemistry: Grades 7-12.
 - (3) Chemistry: Grades 8-12.
 - (4) Family and Consumer Sciences, Composite: Grades 6-12.
 - (5) Hospitality, Nutrition, and Food Sciences: Grades 8-12.
 - (6) Life Science: Grades 7-12.
 - (7) Life Science: Grades 8-12.
 - (8) Legacy Master Science Teacher (Grades 8-12).
 - (9) Science: Grades 7-12.
 - (10) Science: Grades 8-12.
 - (11) Secondary Biology (Grades 6-12).
 - (12) Secondary Chemistry (Grades 6-12).
 - (13) Secondary Science (Grades 6-12).
 - (14) Secondary Science, Composite (Grades 6-12).
- (b) All teachers assigned to this course shall participate in Texas Education Agency-approved training prior to teaching this course effective with the 2019-2020 school year. Specific details about the required training can be found at tea.texas.gov/cte.

Division 21. Law, Public Safety, Corrections, and Security, Grades 9-12 Assignments**§231.503. Forensic Science, Grades 9-12.**

- (a) Subject to the requirements in subsection (b) of this section, an assignment for Forensic Science, Grades 9-12, is allowed with one of the following certificates.
- (1) Chemistry: Grades 7-12.
 - (2) Chemistry: Grades 8-12.
 - (3) Health Science: Grades 6-12. This assignment requires a bachelor's degree.
 - (4) Health Science Technology Education: Grades 8-12. This assignment requires a bachelor's degree.
 - (5) Life Science: Grades 7-12.
 - (6) Life Science: Grades 8-12.
 - (7) Legacy Master Science Teacher (Grades 8-12).
 - (8) Science: Grades 7-12.
 - (9) Science: Grades 8-12.
 - (10) Secondary Biology (Grades 6-12).
 - (11) Secondary Chemistry (Grades 6-12).
 - (12) Secondary Science (Grades 6-12).

- (13) Secondary Science, Composite (Grades 6-12).
 - (14) Trade and Industrial Education: Grades 6-12. This assignment requires a bachelor's degree and appropriate work approval.
 - (15) Trade and Industrial Education: Grades 8-12. This assignment requires a bachelor's degree and appropriate work approval.
 - (16) Vocational Health Occupations. This assignment requires a bachelor's degree.
 - (17) Vocational Health Science Technology. This assignment requires a bachelor's degree.
 - (18) Vocational Trades and Industry. This assignment requires a bachelor's degree and appropriate work approval.
- (b) All teachers assigned to this course shall participate in Texas Education Agency-approved training prior to teaching this course effective with the 2019-2020 school year. Specific details about the required training can be found at tea.texas.gov/cte.

Division 22. Manufacturing, Grades 9-12 Assignments

§231.525. Manufacturing Engineering Technology II, Grades 9-12.

- (a) An assignment for Manufacturing Engineering Technology II, Grades 9-12, is allowed with one of the following certificates.
- (1) Grades 6-12 or Grades 9-12 Mathematics.
 - (2) Legacy Master Mathematics Teacher (Grades 8-12).
 - (3) Mathematics: Grades 7-12.
 - (4) Mathematics: Grades 8-12.
 - (5) Mathematics/Physical Science/Engineering: Grades 6-12.
 - (6) Mathematics/Physical Science/Engineering: Grades 8-12.
 - (7) Physics/Mathematics: Grades 7-12.
 - (8) Physics/Mathematics: Grades 8-12.
 - (9) Secondary Industrial Arts (Grades 6-12).
 - (10) Secondary Industrial Arts Technology (Grades 6-12).
 - (11) Secondary Mathematics.
 - (12) Technology Education: Grades 6-12.
 - (13) Trade and Industrial Education: Grades 6-12. This assignment requires a bachelor's degree and appropriate work approval.
 - (14) Trade and Industrial Education: Grades 8-12. This assignment requires a bachelor's degree and appropriate work approval.
 - (15) Vocational Trades and Industry. This assignment requires a bachelor's degree and appropriate work approval.
- (b) All teachers assigned to this course shall participate in Texas Education Agency-approved training prior to teaching the course effective with the 2019-2020 school year. Specific details about the required training can be found at tea.texas.gov/cte.

Division 24. Science, Technology, Engineering, and Mathematics, Grades 9-12 Assignments

§231.565. Biotechnology I; Biotechnology II, Grades 9-12.

- (a) Subject to the requirements in subsection (b) of this section, an assignment for Biotechnology I or Biotechnology II, Grades 9-12, is allowed with one of the following certificates.
- (1) Agriculture, Food, and Natural Resources: Grades 6-12.
 - (2) Agricultural Science and Technology: Grades 6-12.
 - (3) Any vocational agriculture certificate.
 - (4) Health Science: Grades 6-12. This assignment requires a bachelor's degree.
 - (5) Health Science Technology Education: Grades 8-12. This assignment requires a bachelor's degree.
 - (6) Life Science: Grades 7-12.
 - (7) Life Science: Grades 8-12.
 - (8) Legacy Master Science Teacher (Grades 8-12).
 - (9) Science: Grades 7-12.
 - (10) Science: Grades 8-12.
 - (11) Science, Technology, Engineering, and Mathematics: Grades 6-12.
 - (12) Secondary Biology (Grades 6-12).
 - (13) Secondary Science (Grades 6-12).
 - (14) Secondary Science, Composite (Grades 6-12).
 - (15) Vocational Health Occupations. This assignment requires a bachelor's degree.
 - (16) Vocational Health Science Technology. This assignment requires a bachelor's degree.
- (b) All teachers assigned to this course shall participate in Texas Education Agency-approved training prior to teaching this course effective with the 2019-2020 school year. Specific details about the required training can be found at tea.texas.gov/cte.

§231.569. Engineering Mathematics; Robotics II, Grades 9-12.

- (a) Subject to the requirements in subsection (b) of this section, an assignment for Engineering Mathematics or Robotics II, Grades 9-12, is allowed with one of the following certificates.
- (1) Legacy Master Mathematics Teacher (Grades 8-12).
 - (2) Mathematics: Grades 7-12.
 - (3) Mathematics: Grades 8-12.
 - (4) Mathematics/Physical Science/Engineering: Grades 6-12.
 - (5) Mathematics/Physical Science/Engineering: Grades 8-12.
 - (6) Physics/Mathematics: Grades 7-12.
 - (7) Physics/Mathematics: Grades 8-12.
 - (8) Science, Technology, Engineering, and Mathematics: Grades 6-12.
 - (9) Secondary Mathematics (Grades 6-12).
 - (10) Secondary Industrial Arts (Grades 6-12).
 - (11) Secondary Industrial Technology (Grades 6-12).
 - (12) Technology Education: Grades 6-12.

- (b) All teachers assigned to this course shall participate in Texas Education Agency-approved training prior to teaching this course effective with the 2019-2020 school year. Specific details about the required training can be found at tea.texas.gov/cte.

§231.573. Principles of Technology, Grades 9-12.

- (a) Subject to the requirements in subsection (b) of this section, an assignment for Principles of Technology, Grades 9-12, is allowed with one of the following certificates.
- (1) Legacy Master Science Teacher (Grades 8-12).
 - (2) Mathematics/Physical Science/Engineering: Grades 6-12.
 - (3) Mathematics/Physical Science/Engineering: Grades 8-12.
 - (4) Physical Science: Grades 6-12.
 - (5) Physical Science: Grades 8-12.
 - (6) Physics/Mathematics: Grades 7-12.
 - (7) Physics/Mathematics: Grades 8-12.
 - (8) Science: Grades 7-12.
 - (9) Science: Grades 8-12.
 - (10) Science, Technology, Engineering, and Mathematics: Grades 6-12.
 - (11) Secondary Industrial Arts (Grades 6-12).
 - (12) Secondary Industrial Technology (Grades 6-12).
 - (13) Secondary Physics (Grades 6-12).
 - (14) Secondary Science, Composite (Grades 6-12).
 - (15) Technology Education: Grades 6-12.
- (b) An assignment for Principles of Technology, Grades 9-12, may also be taught with a vocational agriculture certificate or a trades and industry certificate with verifiable physics applications experience in business and industry, if assigned prior to the 1998-1999 school year. Six semester credit hours of college physics, chemistry, or electricity/electronics may be substituted for the business and industry experience. All teachers assigned to these courses shall participate in Texas Education Agency-approved training prior to teaching these courses effective with the 2019-2020 school year. Specific details about the required training can be found at tea.texas.gov/cte.

§231.575. Engineering Design and Problem Solving, Grades 9-12.

- (a) Subject to the requirements in subsection (b) of this section, an assignment for Engineering Design and Problem Solving, Grades 9-12, is allowed with one of the following certificates.
- (1) Legacy Master Science Teacher (Grades 8-12).
 - (2) Mathematics/Physical Science/Engineering: Grades 6-12.
 - (3) Mathematics/Physical Science/Engineering: Grades 8-12.
 - (4) Physical Science: Grades 6-12.
 - (5) Physical Science: Grades 8-12.
 - (6) Physics/Mathematics: Grades 7-12.
 - (7) Physics/Mathematics: Grades 8-12.
 - (8) Science: Grades 7-12.
 - (9) Science: Grades 8-12.

- (10) Science, Technology, Engineering, and Mathematics: Grades 6-12.
 - (11) Secondary Industrial Arts (Grades 6-12).
 - (12) Secondary Industrial Technology (Grades 6-12).
 - (13) Secondary Physics (Grades 6-12).
 - (14) Secondary Science (Grades 6-12).
 - (15) Secondary Science, Composite (Grades 6-12).
 - (16) Technology Education: Grades 6-12.
- (b) All teachers assigned to this course shall participate in Texas Education Agency-approved training prior to teaching this course effective with the 2019-2020 school year. Specific details about the required training can be found at tea.texas.gov/cte.

§231.577. Scientific Research and Design, Grades 9-12.

- (a) Subject to the requirements in subsection (b) of this section, an assignment for Scientific Research and Design, Grades 9-12, is allowed with one of the following certificates.
- (1) Any vocational or career and technical education classroom teaching certificate with a bachelor's degree and 18 semester credit hours in any combination of sciences.
 - (2) Any science certificate valid for the grade level of the assignment.
 - (3) Legacy Master Science Teacher (Grades 8-12).
 - (4) Science, Technology, Engineering, and Mathematics: Grades 6-12.
- (b) All teachers assigned to this course shall participate in Texas Education Agency-approved training prior to teaching this course effective with the 2019-2020 school year. Specific details about the required training can be found at tea.texas.gov/cte.

§231.579. Engineering Science, Grades 9-12.

- (a) Subject to the requirements in subsection (b) of this section, an assignment for Engineering Science, Grades 9-12, is allowed with one of the following certificates.
- (1) Legacy Master Science Teacher (Grades 8-12).
 - (2) Mathematics/Physical Science/Engineering: Grades 6-12.
 - (3) Mathematics/Physical Science/Engineering: Grades 8-12.
 - (4) Physical Science: Grades 6-12.
 - (5) Physical Science: Grades 8-12.
 - (6) Physics/Mathematics: Grades 7-12.
 - (7) Physics/Mathematics: Grades 8-12.
 - (8) Science: Grades 7-12.
 - (9) Science: Grades 8-12.
 - (10) Science, Technology, Engineering, and Mathematics: Grades 6-12.
 - (11) Secondary Industrial Arts (Grades 6-12).
 - (12) Secondary Industrial Technology (Grades 6-12).
 - (13) Secondary Physics (Grades 6-12).
 - (14) Secondary Science (Grades 6-12).
 - (15) Secondary Science, Composite (Grades 6-12).

- (16) Technology Education: Grades 6-12.
- (b) All teachers assigned to Engineering Science shall participate in Texas Education Agency-approved training prior to teaching this course effective with the 2019-2020 school year. Specific details about the required training can be found at tea.texas.gov/cte.

§231.581. Digital Electronics, Grades 9-12.

- (a) Subject to the requirements in subsection (b) of this section, an assignment for Digital Electronics, Grades 9-12, is allowed with one of the following certificates.
- (1) Legacy Master Mathematics Teacher (Grades 8-12).
 - (2) Mathematics/Physical Science/Engineering: Grades 6-12.
 - (3) Mathematics/Physical Science/Engineering: Grades 8-12.
 - (4) Physics/Mathematics: Grades 7-12.
 - (5) Physics/Mathematics: Grades 8-12.
 - (6) Science, Technology, Engineering, and Mathematics: Grades 6-12.
 - (7) Secondary Industrial Arts (Grades 6-12).
 - (8) Secondary Industrial Technology (Grades 6-12).
 - (9) Secondary Mathematics (Grades 6-12).
 - (10) Technology Education: Grades 6-12.
- (b) All teachers assigned to Digital Electronics shall participate in Texas Education Agency-approved training prior to teaching this course effective with the 2019-2020 school year. Specific details about the required training can be found at tea.texas.gov/cte.