

Nebraska Department of Education Rule 24 Report

CHEMISTRY (7-12)

(Content Area)

Educator Preparation Content Program Review

Name of institution **Chadron State College**

Date Submitted **December 1st, 2025**

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Folio type: ☐ Regular ☒ Mini ☐ Advanced Program

Program(s) Covered by this Folio

Endorsement(s)	Type	Grade Level	Program Level
	Subject	PK-12	Baccalaureate
	Field	6-12	Post-Baccalaureate
	Supplemental	7-12	Master's
List Endorsements	Low-Enrollment	Etc.	Etc.

Chemistry

Subject

7-12

Baccalaureate/Post Bac

Is the endorsement offered at more than one site? ☐ Yes ☒ No

If yes, list additional sites where endorsement is offered:

Institution Accreditation Status: ☒ National ☒ State

Is this a Nationally Accredited Program? ☐ Yes ☒ No

If Yes, list Accrediting Organization:

Attach National Letter to
Cover Sheet

Introduction/Welcome

Thank you for taking the time to review our program. Please refer to the [catalog](#) for any additional information that you might need.

If you have problems with the links or navigation through this site, contact Katie Rust 308-432-6337, Stef VanVleet 308-432-6383, or Adam Fette 308-432-6469 during working hours. After working hours (remember we are on Mountain Standard Time), contact us via email which we will check regularly in the evening hours.

Section 1: Contextual Information

1a. Contextual Information

Chadron State College

Chadron State College (CSC) was originally authorized by the State of Nebraska as a Normal School in 1911. It has evolved into a comprehensive college with a wide range of undergraduate and graduate programs. Chadron State is accredited by the Higher Learning Commission, as well as subject-oriented accrediting agencies. From its modest beginning, Chadron State College has evolved into a rapidly growing multipurpose institution of higher education. Located in the scenic Pine Ridge region of northwest Nebraska, the college serves the intellectual, cultural, and recreational needs of western Nebraska.

Chadron State College's academic organizational structure consists of three schools, each under the leadership of an academic dean. The three schools are: (1) Business, Mathematics and Sciences; (2) Liberal Arts; and (3) Professional Studies and Applied Sciences (PSAS). Education is housed within the school of Professional Studies and Applied Sciences. The dean of PSAS and department chair provide the leadership for the Education Department. Throughout this document, the education unit is referred to as the Educator Preparation Program (EPP). The EPP includes both the education program and specialized content area programs that prepare educators.

Educator Preparation Program

At the initial level, the Educator Preparation Program (EPP) supports twelve field endorsements, eight subject endorsements, and five supplemental endorsement programs. At the advanced level, the EPP supports five endorsements. The EPP works cooperatively with the content disciplines, assuring that the teacher candidates have the knowledge, skills, and dispositions necessary for professional teaching. The Education Department assures that all State and accreditation requirements are met and regularly shares data and ideas for the improvement of the overall education programs through the EPP committee. The EPP is led by the education program's department chair and composed of faculty from the education program, teacher educator representatives from the varying disciplines across campus, ESU #13 staff, and area P-12 professionals. The disciplines represented include Business, Mathematics, Family and Consumer Sciences, Science, Social Studies, Health-Physical Education, English/Language Arts, Music, Art, Theatre, and School Counseling. Special Education and Elementary Education are

included in the education program. In addition to the EPP committee, the Graduate Council and Academic Review Committees, both a part of the Faculty Senate Committee structure, provide a platform for sharing information about the educator preparation programs with the greater college community.

Mission Statement

The Education Department at Chadron State College prepares professional educators with the knowledge, adaptability, and lifelong learning skills necessary to place students at the center of learning. Our graduates foster academic and social growth, uphold high standards for all students, and contribute meaningfully to education and society.

Vision

To cultivate a generation of educators who are skilled, reflective, open-minded, and committed to empowering every student to reach their full potential and inspire lasting, positive change in schools and communities.

Section 1 Institutional and EPP Contextual Factors

Endorsement Program

The Chemistry (7–12) subject endorsement at Chadron State College prepares secondary educators with strong content knowledge, laboratory proficiency, and instructional skills for teaching chemistry and related sciences at the middle and high school levels. Candidates gain a comprehensive foundation in general, organic, analytical, and biochemical chemistry while developing an understanding of the interrelationships between chemistry, biology, physics, and earth science. The program emphasizes laboratory safety, inquiry-based learning, data analysis, and application of scientific methods through both classroom and field experiences.

1b. Standards for Admission, Retention, Transition and Completion

The initial Educator Preparation Program has three major gateways: (1) Admission into the Teacher Education Program; (2) Acceptance into Student Teaching; and (3) Program Completion. Admission into the program generally takes place during or at the end of the sophomore year. Candidates are not allowed into student teaching until they meet the requirements set by the EPP. There are retention measures in place to ensure candidates are progressing successfully through the education program.

Table 004.06-2 Requirements for Program Admission and Progression

Institutional Criteria	Gateway #1	Gateway #2	Gateway #3
	Admission into the Teacher Education Program	Admission into Student Teaching	Program Completion
Grade Point Average (GPA)	2.75 overall GPA – all college coursework, including transfer credits	2.75 overall GPA – all college coursework, including transfer credits	2.75 overall GPA – all college coursework, including transfer credits

Coursework Completion	30 hours of coursework, including Intro to Teaching, Educational Psychology, Intro to Exceptional Learner, and Technology Resources for Learning, with a C or better.	Earn 90 semester hours with 12 hours in residence at Chadron State College, with a C or better in all Education coursework, including EDUC 300 Observation and Participation and Professional Year courses	Passing grade with a C or better for EDUC 490 Student Teaching and EDUC 495 Education Capstone Passing score on Teacher Work Sample
Praxis Exams			Take the Praxis II content exam
Clinical Practice/Field Experiences	Take EDUC 300 Observation and Participation class	100 observation hours are required prior to student teaching.	16-20 weeks student teaching internship Passing scores on Nebraska Clinical Practice Student Teacher Rubric
Recommendations	Five faculty recommendations, including one from the advisor, one from outside of the Department of Education, and three within the candidate's endorsement area.		
Self-Disclosure	Demonstration of social, emotional, personal maturity and physical capabilities	Demonstration of social, emotional, personal maturity and physical capabilities	
Other	Successful background check	Successful background check	Application for graduation; application for certification

The [Chadron State College website](#) provides the candidates with the required courses for their program of study and the four-year course rotation where students can plan their entire course of study. Advising sheet found in Appendix A.

Coursework integrates content and pedagogy to align with the **InTASC standards, CAEP expectations, and Nebraska Rule 24** requirements for science teacher certification. Candidates apply their learning through supervised lab work, undergraduate research, and capstone experiences designed to connect chemical principles with effective instructional practice. Graduates are well-prepared to teach chemistry and other physical science courses in grades 7–12.

1c. Field Experiences Required

The program requires 100 practicum clock hours prior to student teaching; one course, EDUC 131 Intro to Teaching at the freshman level and one course, EDUC 300 Observation and Participation at the junior level. Each field experience is used by course instructors to monitor candidates' performance and progress, provides formative information about the candidate, helps the candidate develop the knowledge, skills, and dispositions expected of a teacher, and assists the candidate's understanding of the learner, the classroom environment, application of knowledge, instructional strategies, and professional responsibility. Data is not reported for developmental assessments. Cooperating teacher evaluations are maintained by the EPP to document field experiences.

Student teaching represents the culmination of practical experiences in the teacher education program at Chadron State College. Student teaching is a semester long clinical practice experience for initial teacher certification in which candidates demonstrate knowledge, skills, and professional dispositions by assuming responsibility for whole class instruction in their endorsement and within the grade level for which they are preparing.

Table 005. 03 Field Experience for Initial Certification

*P-Practicum, CP-Clinical Practice, I-Internship

Endorsement Program	Course Name	Credits	Type of Field Experience*	Total Number of Hours
All Education programs	EDUC 131 Intro to Teaching	3 credits	P	25
All Education programs	EDUC 300 Observation & Participation	1-3 credits	P	100
All Education programs	EDUC 490 Student Teaching	9 credits	CP	640
Special Education K-12	SPED 216 Pre-Referral Clinical Experience	1 credit	P	20
Special Education K-12	SPED 317 Microteaching in Early Childhood / Elementary / Middle School / Secondary Special Education	2 credits	P	30
Early Childhood Inclusive B-3	FCS 338 Prenatal and Infant Practicum	3 credits	P	30
Early Childhood Inclusive B-3	FCS 448/448L Early Childhood Practicum	4 credits	P	126

1d. Number and Level of Completers

Program Completers and Level – Content Area:					Chemistry 7-12					
Academic Year					Number of Endorsement Program Completers					
					Bac	Post Bac	Alternate Route	Masters	Ed. Specialist	PhD
20	23	to	20	24	0	0	0	0	0	0
20	24	to	20	25	0	0	0	0	0	0

Section 2 Endorsement Program Key Assessments and Related Data**Artifact 1. Table of Endorsement Program Key Assessments****Required Assessments**

The faculty within the Educator Preparation Program (EPP) created program outcomes, based on the InTASC standards and learning progressions, developed by the Council of Chief State School Officers. The key assessments for the initial program align with these program outcomes.

Table of Endorsement Program Key Assessments

Name of Assessment used for the following areas:		Type or Form of Assessment	Brief Description of Assessment, including indicated information obtained from Assessment	When Assessment is Administered
1	Content-Praxis II or GPA	Standardized Assessment	Praxis II is a standardized assessment given by ETS.	Praxis II is taken the semester prior to or during student teaching
	Praxis II			
2	Content - Knowledge	Evaluation	The Nebraska Clinical Practice Assessment was created by the Nebraska Department of Education. It is filled out by the supervisor and cooperating teacher. InTASC Standards 4 and 5 address content knowledge and application of content	During Student Teaching
	NE Clinical Practice Evaluation			
3	Learner/Learning Environments	Evaluation	The Nebraska Clinical Practice Assessment was created by the Nebraska Department of Education. It is filled out by the supervisor and cooperating teacher. InTASC	During Student Teaching
	NE Clinical Practice Evaluation			

			Standards 1, 2, and 3 address learner and learning.	
4	Instructional Practices - Knowledge	Evaluation	The Nebraska Clinical Practice Assessment was created by the Nebraska Department of Education. It is filled out by the supervisor and cooperating teacher. InTASC Standards 6, 7, and 8 address instructional practices.	During Student Teaching
	NE Clinical Practice Evaluation			
5	Instructional Practices - Effectiveness	Evaluation	The Nebraska Clinical Practice Assessment was created by the Nebraska Department of Education. It is filled out by the supervisor and cooperating teacher. InTASC Standard 6 addresses instructional practices.	During Student Teaching
	NE Clinical Practice Evaluation			
6	Professional Responsibility	Evaluation	The Nebraska Clinical Practice Assessment was created by the Nebraska Department of Education. It is filled out by the supervisor and cooperating teacher. InTASC Standards 9 and 10 address professional responsibility.	During Student Teaching
	NE Clinical Practice Evaluation			
7	Overall Proficiency	Survey	NDE created survey covers overall proficiency as rated by completer and employer	After 1st and 3rd years of employment
	Follow up Survey			
8	Optional Assessment	Case Study	The Teacher Work Sample is an additional measure that covers overall proficiency of candidates through the completion of a case study addressing all InTASC Standards.	During Student Teaching
	Teacher Work Sample (TWS)			

Praxis II and GPA

Praxis II is the Education Testing Service ([ETS](#)) test for content knowledge. Furthermore, the candidates cannot graduate without a grade point average of 2.75 or better, on a 4.00-point scale.

Nebraska Clinical Practice Evaluation (NCPE)

The NCPE was developed by the [Nebraska Department of Education](#) in cooperation with the Nebraska Association of Colleges of Teacher Education (NACTE). The NCPE mirrors the InTASC standards, as well as the CAEP standards.

NDE Follow up Survey

The NDE survey is conducted annually to provide Nebraska institutions with information about the effectiveness of first-year and third-year teachers and covers overall proficiency as rated by completers and employers.

Teacher Work Sample (TWS)

The Teacher Work Sample is a case study activity that illustrates the candidate's ability to apply knowledge and skills relative to content and pedagogy. Candidates analyze data to make decisions and adjust instruction to meet learner needs. See Appendix B.

Artifact 2 Data Tables

Chemistry 7-12 is a mini-folio and will have no data tables attached.

Artifact 3. Narrative interpretation/summary of assessment data.

From the institution's perspective, historical assessment data for the Chemistry (7–12) endorsement program demonstrate strong candidate performance across both content knowledge and professional practice benchmarks. Although there have been no program completers in recent years, the Educator Preparation Program (EPP) continues to monitor key assessments, advising data, and course-level outcomes to ensure continued alignment with state and national standards and to support ongoing program improvement.

Praxis II / Nebraska Content Test

Historically, Praxis II Chemistry results show that past completers consistently met or exceeded the state's required cut scores. Candidates performed strongest in general and analytical chemistry, reflecting the program's structured laboratory experiences and emphasis on quantitative analysis. Historically, variability in physical chemistry and applied pedagogy led faculty to integrate greater emphasis on modeling, problem-solving strategies, and data-driven experimentation into upper-level coursework.

GPA and Academic Performance

Institutional records show that prior candidates maintained GPAs above the 2.75 minimum, with most earning significantly higher cumulative averages. Advising audits demonstrated consistent progression through the program, with few delays or course repeats. These data confirm that the chemistry endorsement attracts academically strong students who benefit from close faculty mentorship and structured course sequencing.

Teacher Work Sample (TWS)

While recent completer data are unavailable, past candidates' Teacher Work Samples revealed a strong ability to apply chemical concepts through inquiry-based instruction and data analysis. These artifacts demonstrated candidates' capacity to link content mastery with effective pedagogical strategies, a central tenet of both CAEP and InTASC standards.

Overall Proficiency

Historical data and feedback from cooperating teachers and school administrators indicate that CSC chemistry graduates were well-prepared for classroom teaching and demonstrated the ability to adapt laboratory-based instruction for diverse learners. Program strengths noted in prior assessments include the integration of research into undergraduate coursework and rigor of the science capstone projects through seminar and thesis components.

Institutional Reflection

Although there are currently no completers to report, faculty maintain active review of course-level outcomes, assessment instruments, and alignment with state and national standards. The chemistry program continues to demonstrate a strong foundation in content expertise, applied research, and laboratory instruction. Ongoing analysis of historical assessment data and advisory feedback has informed program updates that ensure readiness for future cohorts and continued compliance with Nebraska Rule 24 requirements.

Section 3: Use of Related Data and Information for Continuous Program Improvement of Endorsement Program

Since the last review cycle, the Chemistry (7–12) endorsement program at Chadron State College has engaged in focused evaluation and revision to strengthen content alignment, instructional coherence, and laboratory integration. These improvements are grounded in historical assessment data, faculty reflection, and recommendations from the Educator Preparation Program (EPP) committee.

Changes Made Based on Data and Reflection**Revision of Program Learning Objectives**

Historical Praxis II performance and feedback from cooperating teachers indicated that candidates excelled in general and analytical chemistry but would benefit from deeper preparation in applied and physical chemistry concepts. In response, program faculty revised the learning objectives to emphasize:

- Application of chemical principles across laboratory and field settings.
- Integration of inquiry-based learning, safety, and quantitative reasoning.
- Connections among chemistry, environmental science, and interdisciplinary STEM teaching.

These updates ensure clearer performance benchmarks and stronger vertical alignment between lower- and upper-level coursework.

Curriculum Refinement

Several core courses were revised to reflect these objectives:

- CHEM 335/Biochemistry I now integrates molecular modeling and biomedical applications.

- CHEM 341/Quantitative Analysis added modules on modern instrumentation and digital data collection.
- Capstone courses (CHEM 310, 401, and 410) now include a more explicit focus on communication, research ethics, and professional presentation skills.

Laboratory and Research Enhancements

Informed by advisory feedback and updated facilities, laboratory courses have been updated to include greater use of current technology (spectroscopy, chromatography, and protein purification). These upgrades enhance candidate readiness for both classroom instruction and compliance with contemporary lab safety standards.

Effect of Program Changes

While recent complete data are unavailable, the impact of these updates is reflected in course-level outcomes and improved coherence across the chemistry curriculum. Faculty report higher engagement and proficiency in laboratory design and inquiry skills among current majors. Updated lab facilities and research experiences have strengthened student preparation for both teaching and graduate study.

Future Program Improvements

Future improvements will focus on:

- Embedding instructional technology and data-analysis tools in laboratory courses.
- Strengthening collaboration with regional schools and STEM outreach initiatives to increase enrollment and field experience diversity.

Implications for Unit-Level Improvement

At the unit level, the chemistry endorsement's reflection and revision process reinforces the EPP's commitment to continuous, data-driven improvement. By maintaining alignment between content rigor, pedagogical preparation, and assessment feedback—even during low-enrollment years—the program models a sustainable approach to educator preparation that upholds CSC's mission of preparing adaptable, skilled, and reflective teachers for Nebraska's schools.

Appendix A Advising Template

B.S. Education (Grades 7-12)

4-YEAR ADVISING TEMPLATE

Endorsement: Chemistry

	FALL		SPRING		SUMMER		
	COURSES	Cr. Hr.	COURSES	Cr. Hr.	COURSES	Cr. Hr.	TERM
YEAR 1	CHEM 131	3	CHEM 132	3			
	CHEM 131L	1	CHEM 132L	1			
	BIOL 136	2	ESSENTIAL STUDIES	3			
	BIOL 136L	1	MATH 138 (SLO-4)	3			
	EDUC 131	3	EDUC 224	3			
	FYI (SLO-1)	6	ESSENTIAL STUDIES	3			
	TOTAL CREDIT HOURS	16	TOTAL CREDIT HOURS	16	TOTAL CREDIT HOURS		
YEAR 2							
	TOTAL CREDIT HOURS	17	TOTAL CREDIT HOURS	17	TOTAL CREDIT HOURS		
YEAR 3							
	TOTAL CREDIT HOURS	15	TOTAL CREDIT HOURS	16	TOTAL CREDIT HOURS		
YEAR 4					BIOL 138/138L & 13139/139L may be substituted for BIOL 136/136L		
	TOTAL CREDIT HOURS	12	TOTAL CREDIT HOURS	12			

Appendix B TWS Rubric

Chadron State College Teacher Work Sample Scoring Definitions

4. Advanced: {A 140-131} – The teacher candidate obtaining this designation has demonstrated consistent, professional, and performance skills beyond the basic essentials in the chosen academic area and has demonstrated the ability to apply the performance skills with several aspects integrated so that the whole of the TWS has a coherent structure and meaning. The teacher candidate can plan, assess, instruct, analyze data, and reflect upon the appropriate P-12 students' performances at a level that enables P-12 students' growth in a solid, conceptual understanding of the chosen academic area. *This denotes the presence of the advanced skills necessary to teach and assess students in the academic area.*

3. Proficient: {B 130-118} – The teacher candidate obtaining this designation has demonstrated the basic essential set of professional and performance skills needed to teach and assess students in the chosen academic area. The basic concepts of the subject matter, teaching in the academic area, and assessing student performance are understood as one problem, idea, or concept following another, but are not interrelated as a whole system of understanding. The teacher candidate can plan, assess, instruct, analyze data, and reflect upon the appropriate P-12 students' performances to help P-12 students' growth of procedural and conceptual understanding in the chosen academic area at an expanding level. *This denotes the presence of essential skills necessary to teach and assess students in the academic area.*

2. Progressing: {C 117-105} – The teacher candidate obtaining this designation has demonstrated the presence of beginning professional and academic performance skills needed to teach and assess students. Aspects of a problem, idea, or concept are seen in rote application with nominal relationship of facts and ideas to each other. The teacher candidate can assess student learning and can develop learning experiences somewhat based on students' developmental levels and prior experience. The candidate shows minimal analysis or reflection upon appropriate P-12 students' performances such that P-12 students' understanding in the academic area will be more rote learning with less conceptual understanding. *This denotes the presence of the bare essential skills necessary to teach and assess students in the academic area.*

1. Unacceptable: {D Below 105} – The teacher candidate obtaining this designation does not perform at a level that exhibits preparedness for teaching but does demonstrate some basic understanding of professional and academic performance skills needed to teach and assess students. The teacher candidate cannot accurately assess student learning or develop learning experiences based on students' developmental levels or prior experience. The candidate shows little, if any, analysis or reflection upon appropriate P-12 students' performances such that P-12 students' understanding in the academic area may be negatively impacted. *Any rating earned at or below the Unacceptable level in the teacher candidate's TWS will be deemed unacceptable for a teacher candidate preparing for Nebraska teacher certification.*

0. Missing: {F} – The teacher candidate obtaining this designation does not perform at a level that exhibits preparedness for teaching, nor does the candidate demonstrate any basic understanding of professional and academic performance skills needed to teach and assess students. The teacher candidate cannot accurately assess student learning or develop learning experiences based on students' developmental levels or prior experience. The candidate shows no ability to analyze or reflect upon appropriate P-12 students' performances such that P-12 students' understanding in the academic area may be negatively impacted. *Any rating earned at or below the Unacceptable level in the teacher candidate's TWS will be deemed unacceptable for a teacher candidate preparing for Nebraska teacher certification.*

(2) Semester Date _____

(3) Rater _____

Teacher Work Sample Rubric

Follow your TWS Instruction Sheet to ensure your project contains all of the components needed.

Possible Score	4 – Advanced	3 – Proficient	2 – Progressing	1- Unacceptable	0 – Missing	Score
Professional Presentation						
(4) Title Page	Title page is complete	Title page is missing one component	Title page is missing two components	Title page is missing three or more components	Title page is missing	
(5) Table of Contents	Table of Contents is complete and organized	Table of Contents is missing one component	Table of Contents is missing two components	Table of Contents is missing more three or more components	Table of Contents is missing	
(6) Writing Conventions	Writing is grammatically correct, complete, easy to understand and represents professional writing	Writing is grammatically correct, complete, easy to understand, but contains a few errors	Writing contains several errors, or may not be complete or easy to understand	Writing contains significant errors, is not complete or easy to understand	Writing contains numerous errors, and unable to comprehend	
(7) Organization	Organization of presentation aligns with TWS Instruction Sheet	Organization of presentation has a few deviations from the TWS Instruction Sheet	Organization of presentation has several deviations from the TWS Instruction Sheet	Organization of presentation does not align with the TWS Instruction Sheet	Organization of presentation is absent.	
(8) Comments on Professional Presentation	<i>(Comments optional; you will be prompted to enter any provided comments into the Microsoft Form.)</i>					
Contextual Factors and Instructional Setting						
(9) Community, District, and School	Descriptions of contextual factors are clear and complete	Descriptions of contextual factors are unclear and missing one component	Descriptions of contextual factors are unclear and missing two-three components	Descriptions of contextual factors are very unclear and missing more than three components	Descriptions of contextual factors is missing	
(10) Classroom Factors	Descriptions of classroom factors are clear and complete	Descriptions of classroom factors are unclear and missing one component	Descriptions of classroom factors are unclear and missing two-three components	Descriptions of classroom factors are very unclear and missing more than three components	Descriptions of classroom factors are missing	

(11) Rationale	Rationale for the concept or subject is very clear and complete	Rationale for the concept or subject is mostly clear and complete	Rationale for the concept or subject is unclear and/or incomplete	Rationale for the concept or subject is unclear and incomplete	Rationale for the concept or subject is missing	
(12) Class Characteristics	Description of class characteristics is clear and complete	Description of class characteristics is unclear and missing one component	Description of class characteristics is very unclear and missing two-three components	Description of class characteristics of the class is unacceptable and missing three or more components	Characteristics of the class are missing	
(13) Instructional Implications	Explanation of the instructional implications is very clear and complete	Explanation of the instructional implications is mostly clear and complete	Explanation of the instructional implications is unclear and/or incomplete	Explanation of the instructional implications is unclear and incomplete	Explanation of the instructional implications is missing	
(14) Comments on Contextual Factors and Instructional Setting	<i>(Comments optional; you will be prompted to enter any provided comments into the Microsoft Form.)</i>					
Initial Instructional Plan						
(15) Objectives	Objectives exceed expectation of pre-service teachers	Objectives state what the students will learn	Objectives partially state what students will learn	Objectives do not specify what the students will learn	Objectives are missing	
(16) Standards	Each objective is explicitly tied to standards	Some objectives are explicitly tied to standards	Few objectives are inadequately tied to standards	Objectives are not tied to standards	Standards are missing	
(17) Instructional Plans	Instructional plans are complete and contain four or more examples of differentiated instructional methods or levels of learning (at least three consecutive lessons)	Instructional plans are complete and contain three examples of differentiated instructional methods or levels of learning (at least three consecutive lessons)	Instructional plans are complete and contain two examples of differentiated instructional methods or levels of learning (at least three consecutive lessons)	Instructional plans contain one example of differentiated instruction or levels of learning (at least three consecutive lessons)	Instructional plans are missing	
(18) Formative Assessments	Multiple and varied formative assessments are included and align with the objectives/instructional plan	Multiple or varied formative assessments are included and align with objectives/instructional plan	A formative assessment is included and somewhat aligns with objectives/instructional plan	Formative assessments are included but do not align with objectives/instructional plan	No formative assessments are included in the instructional plan	

(19) Comments on Initial Instructional Plan	<i>(Comments optional; you will be prompted to enter any provided comments into the Microsoft Form.)</i>					
Assessment Plan (Section 1)						
(20) Objective Alignment	Pre-assessment and post-assessment are aligned with all objectives	Pre-assessment and post-assessment are aligned with most objectives	Pre-assessment and post-assessment are aligned with few objectives	Pre-assessment and post-assessment are not aligned with the objectives	Pre-assessment and post-assessment are missing	
(21) Assessment Characteristics	Pre-assessment and post-assessment have all of the following: 1. have face validity 2. appear to be reliable 3. are appropriate to level 4. are based on instructional plans 5. student directions and scoring procedures are clearly explained	Pre-assessment and post-assessment have four of the following: 1. have face validity 2. appear to be reliable 3. are appropriate to level 4. are based on instructional plans 5. student directions and scoring procedures are clearly explained	Pre-assessment and post-assessment have three of the following: 1. have face validity 2. appear to be reliable 3. are appropriate to level 4. are based on instructional plans 5. student directions and scoring procedures are clearly explained	Pre-assessment and post-assessment have two or fewer of the following: 1. have face validity 2. appear to be reliable 3. are appropriate to level 4. are based on instructional plans 5. student directions and scoring procedures are clearly explained	Pre-assessment and post-assessment are missing	
(22) Instruments and Student Samples	Examples of a high-score <u>and</u> a low-score confidential student pre-assessment and post-assessment are included (4 in all)	Examples of a high-score <u>and/or</u> a low-score confidential student pre-assessment and/or post-assessment are included (Only 3 included)	Examples of a high-score <u>and/or</u> a low-score confidential student pre-assessment and/or post-assessment are included (Only 2 included)	Only one example of a high- or low-score confidential student pre-assessment or post-assessment is included (Only 1 included)	No examples of confidential student assessment are included.	
(23) Clarity of Criterion and Standards for performance	The assessment contains clear criteria for measuring student performance and are linked to	Assessment criteria have been developed, but they are not clear but are linked to learning goals.	Assessment criteria have been developed but are not clear and are not linked to learning goals.	Assessment criteria have not been developed and are not clear and are not linked to learning goals.	Assessment criteria is missing.	

	the learning goals.					
(24) Comments on Assessment Plan (Section 1)	<i>(Comments optional; you will be prompted to enter any provided comments into the Microsoft Form.)</i>					
Assessment Plan (Section 2)						
(25) Data Display	Pre-assessment data is clearly and completely displayed in a labeled graph or chart	Pre-assessment data is clearly and completely displayed but not in a graph or chart	Pre-assessment data is displayed in a graph or chart but is unclear	Pre-assessment data is not displayed in a graph or chart and is unclear	Pre-assessment data is missing	
(26) Data Analysis	Pre-assessment data is clearly and completely described and analyzed	Pre-assessment data is clearly and completely described but inadequately analyzed	Pre-assessment data is inadequately described and analyzed	Pre-assessment data is not described or analyzed	Pre-assessment data is missing	
(27) Revision Description	Need for revisions of initial instructional plans is clearly and completely described	Need for revisions of initial instructional plans is unclear or incomplete	Need for revisions of initial instructional plans is unclear and incomplete	Need for revisions of initial instructional plans is not acknowledged	Need for revisions of initial instructional plans is missing	
(28) Comments on Assessment Plan (Section 2)	<i>(Comments optional; you will be prompted to enter any provided comments into the Microsoft Form.)</i>					
Revised Instructional Plans						
(29) Revisions Included	Revisions reflect student needs based on pre-assessment data	Revisions reflect some of the student needs based on pre-assessment data	Revisions reflect few of the student needs based on pre-assessment data	Revisions do not reflect student needs based on pre-assessment data	No revisions were made to the instructional plan	
(30) Objectives	Objectives exceed expectation of pre-service teachers	Objectives state what the students will learn	Objectives partially state what students will learn	Objectives do not specify what the students will learn	Objectives are missing	
(31) Standards	Each objective is explicitly tied to standards	Some objectives are explicitly tied to standards	Few objectives are tied to standards	Objectives are not tied to standards	Standards are missing	

(32) Instructional Plans	Instructional plans are complete and contain four or more examples of differentiated instructional methods or levels of learning (at least three consecutive lessons)	Instructional plans are complete and contain three examples of differentiated instructional methods or levels of learning (at least three consecutive lessons)	Instructional plans are complete and contain two examples of differentiated instructional methods or levels of learning (at least three consecutive lessons)	Instructional plans contain one example of differentiated instruction or levels of learning (at least three consecutive lessons)	Revised instructional plans that are missing	
(33) Formative Assessments	Multiple and varied formative assessments are included and align with the objectives/instructional plan	Multiple or varied formative assessments are included in the instructional plan and align with objectives/instructional plan	A formative assessment is included and somewhat aligns with objectives/instructional plan	No formative assessments are included in the instructional plan	No formative assessments are included in the instructional plan	
(34) Comments on Revised Instructional Plans	<i>(Comments optional; you will be prompted to enter any provided comments into the Microsoft Form.)</i>					
Assessment Plan (Section 3)						
(35) Post Assessment Data	Post-assessment data is clearly and completely described and analyzed	Post-assessment data is clearly and completely described but inadequately analyzed	Post-assessment data is inadequately described and analyzed	Post-assessment data is not described or analyzed	Post-assessment data is missing	
(36) Data Comparison: Individual Growth	Comparison of pre-assessment and post-assessment data showing individual growth is clearly and completely displayed in a labeled graph or chart	Comparison of pre-assessment and post-assessment data showing individual growth is displayed but not in a graph or chart	Comparison of pre-assessment and post-assessment data showing individual growth is displayed in a graph or chart but is unclear	Comparison of pre-assessment and post-assessment data showing individual growth is not displayed in a graph or chart and is unclear	Comparison of pre-assessment and post-assessment data showing individual growth is missing	
(37) Data Comparison: Class Growth	Comparison of pre-assessment and post-assessment data showing class growth is clearly and completely displayed in a	Comparison of pre-assessment and post-assessment data showing class growth is displayed but not	Comparison of pre-assessment and post-assessment data showing class growth is displayed in a	Comparison of pre-assessment and post-assessment data showing class growth is not displayed in a	Comparison of pre-assessment and post-assessment data showing class growth is missing	

	labeled graph or chart	in a graph or chart	graph or chart but is unclear	graph or chart and is unclear		
(38) Impact on Student Learning	Description of impact upon student learning is clearly and completely stated	Description of impact upon student learning is stated and is mostly clear or complete	Description of impact upon student learning is stated but is unclear and/or incomplete	Description of impact upon student learning is stated and is unclear and incomplete	Description of impact upon student learning is missing	
(39) Impact of Instruction	Impact of instruction on student growth is clearly and completely analyzed	Analysis of impact of instruction on student growth is unclear or incomplete	Analysis of impact of instruction on student growth is unclear and incomplete	Impact of instruction on student growth is inadequately stated	Impact of instruction on student growth is missing	
(40) Comments on Assessment Plan (Section 3)	<i>(Comments optional; you will be prompted to enter any provided comments into the Microsoft Form.)</i>					
Instruction Decision Making, Reflection, and Self Evaluation						
(41) Decision Making	Contains four examples of instructional decision making based on pre-assessment data and on student's learning during lessons.	Contains three examples of instructional decision making based on pre-assessment data and on student's learning during lessons.	Contains two examples of instructional decision making based on pre-assessment data and on student's learning during lessons.	Contains fewer than two examples of instructional decision making based on pre-assessment data and on student's learning during lessons.	Examples of instructional decision making based on pre-assessment data and student's learning are missing.	
(42) Strategies // Activities	Description of two effective instructional strategies/activities is clear	Description of two effective instructional strategies/activities is unclear	Description of one effective instructional strategies/activities is clear	Description of one effective instructional strategies/activities is unclear	No description of effective instructional strategies/activities is included	
(43) Formative Assessments	Describes multiple varied formative assessments used to monitor student progress	Describes multiple formative assessments used to monitor student progress	Describes a varied formative assessment used to monitor student progress	Describes a formative assessment used to monitor student progress	Formative assessments are not described	
(44) Barriers	Description of two barriers to student learning is clear	Description of two barriers to student learning is unclear	Description of one barrier to student learning is clear	Description of one barrier to student learning is unclear	Description of barriers is not included.	

(45) Reflection	The reflection and self-evaluation contains analysis of all the following: 1. Engaged time 2. Student interest and motivation 3. Student mastery of learning objectives 4. Revisions of instructional strategies/activities 5. Student feedback 6. Future considerations based on self-evaluation 7. Future considerations based on cooperating teacher and/or students	The reflection and self-evaluation contains analysis of five or six of the following: 1. Engaged time 2. Student interest and motivation 3. Student mastery of objectives 4. Revisions of instructional strategies/activities 5. Student feedback 6. Future considerations based on self-evaluation 7. Future considerations based on cooperating teacher and/or students	The reflection and self-evaluation contains analysis of three or four of the following: 1. Engaged time 2. Student interest and motivation 3. Student mastery of objectives 4. Revisions of instructional strategies/activities 5. Student feedback 6. Future considerations based on self-evaluation 7. Future considerations based on cooperating teacher and/or students	The reflection and self-evaluation contains analysis of two or fewer of the following: 1. Engaged time 2. Student interest and motivation 3. Student mastery of objectives 4. Revisions of instructional strategies/activities 5. Student feedback 6. Future considerations based on self-evaluation 7. Future considerations based on cooperating teacher and/or students	The reflection and self-evaluation are missing	
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