CURRICULUM | MEASURES

2017-18 & 2018-19 List of Key Assessments

Type and Number of Assessment[1]	Name of Assessment	Type or Form of Assessment	2018-19 Semester(s) application	When the Assessment is Administered	Target Performance Level
Assessment #1: Content Knowledge – Licensure Tests	Science Content Praxis Test	State licensure exam	Upon program completion, Summer, Fall or Spring	Program completion	The acceptable level of performance is for all students to pass both their science subject area Praxis II and Principles of Learning and Teaching Praxis II tests
Assessment #2: Content Knowledge – as assessment of general content knowledge in discipline to be taught	Undergraduate science GPA and Content Analysis Form	GPA and content analysis form	Admission: Summer, Fall, or Spring	Admission to program	Science course grades while in the program are assessed before progression into their professional internship program and students must receive a C or better in all science content courses.
Assessment #3: Pedagogical and Professional Knowledge and Skills – Planning instruction and assessment	Model-based Inquiry Unit Plan	Unit Plan	Fall	EDSE 732; Student Teaching	100% of candidates should meet or better for all rubric criteria.
Assessment #4: Pedagogical and Professional Knowledge and Skills – Student teaching assessment with legal/safety/ethical issues	Student Teaching Observation and Safety Module	Observation Instrument and Safety Module	Fall and Spring	EDSE 732; Student Teaching;	100% of candidates should meet or better for all rubric criteria.

Assessment #5: Candidate Impact on Student Learning	Electronic Portfolio: Student Learning Sections	Electronic Portfolio	Fall and Spring	Admission to Internship and completion	100% of candidates must meet or exceed rubric criteria on Part II of the Portfolio
Assessment #6: Professional Responsibilities	Electronic Portfolio: Science and Science Education Professionalism	Electronic Portfolio	Fall and Spring	Admission to Internship and completion	100% of candidates must meet or exceed rubric criteria on Part II of the Portfolio.
Assessment #7: Content Knowledge (optional assessment)	Electronic Portfolio: Content Knowledge	Electronic Portfolio	Fall and Spring	Admission to Internship and completion	100% of candidates will be scored "meets" or better for all rubric criteria

[α]As required by the National Science Teachers Association.

MEASURES & CRITERIA

Key assessment student instructions (that clearly describe the task students will perform), rubrics (with an acceptable level of performance clearly defined) and scoring sheets are on file in the Office of Assessment and Accreditation.

Learning Outcomes

SPA Name: National Science Teachers Association

Standards Title: 2012 NSTA Preservice Science Standards

Current Version/Year of Publication: **2012**

SPA Standards # and Category	Program Goal #	Description/Language	Key Assessments
NSTA 1- Content Knowledge	***1***	Effective teachers of science understand and articulate the knowledge and practices of contemporary science. They interrelate and interpret important concepts, ideas, and applications in their fields of licensure.	***1*** Science Content Praxis Test ***2*** Undergraduate science GPA and Content Analysis Form ***7*** Electronic Portfolio: Content Knowledge
NSTA 2- Content Pedagogy	***1***	Effective teachers of science understand how students learn and develop scientific knowledge. Preservice teachers use scientific inquiry to develop this knowledge for all students.	***3*** Model-based Inquiry Unit Plan
NSTA- 3- Learning Environments	***1***	Effective teachers of science are able to plan for engaging all students in science learning by setting appropriate goals that are consistent with knowledge of how students learn science and are aligned with state and national standards. The plans reflect the nature and social context of science, inquiry, and appropriate safety considerations. Candidates design and select learning activities, instructional settings, and resources--including science-specific technology, to achieve those goals; and they plan fair and equitable assessment strategies to evaluate if the learning goals are met	***3*** Model-based Inquiry Unit Plan

NSTA -4- Safety	***1***	Effective teachers of science can, in a P-12 classroom setting, demonstrate and maintain chemical safety, safety procedures, and the ethical treatment of living organisms needed in the P-12 science classroom appropriate to their area of licensure.	***4*** Student Teaching Observation and Safety Module
NSTA -5- Impact on Student Learning	***1***	Effective teachers of science provide evidence to show that P-12 students' understanding of major science concepts, principles, theories, and laws have changed as a result of instruction by the candidate and that student knowledge is at a level of understanding beyond memorization. Candidates provide evidence for the diversity of students they teach.	***5*** Electronic Portfolio: Student Learning Sections
NSTA-6- Professional Knowledge and Skills	***1***	Effective teachers of science strive continuously to improve their knowledge and understanding of the ever changing knowledge base of both content, and science pedagogy, including approaches for addressing inequities and inclusion for all students in science. They identify with and conduct themselves as part of the science education community.	***6*** Electronic Portfolio: Science and Science Education Professionalism

These standards are the learning outcomes for the program and will be accomplished by candidates by the end of the program.