

**Master of Education: Science, Project  
Planning Guide  
School of Teacher Education and Leadership**



Name of Candidate: \_\_\_\_\_ USU A#: \_\_\_\_\_

<b>I. Core Requirements (15 credits)</b>	Credit	Grade	Completion Date	Nature of Credit*
TEAL 6410 Social Foundations of Education (3)				
TEAL 6545 Research for Classroom Teachers (3)				
TEAL 6710 Diversity in Education (3)				
TEAL 6150 Foundations of Curriculum (3)				
TEAL 6190 Theories of Learning and Models of Teaching (3)				
Total Core Requirement Credits				

<b>II. Science Specialization (9 credits)</b>	Credit	Grade	Completion Date	Nature of Credit*
TEAL 6205 Nature of Science and Engineering for Teachers* (3)				
TEAL 6265 STEM Practices with a focus on Engineering, Technology, and PBL* (3)				
TEAL 6960 Masters Creative Project (3)				
Total Specialization Credits				

<b>III. Recommended Electives (12 credits minimum)</b> Additional discipline-specific electives or independent study as suggested by advisor. (* Required courses for the Elementary STEM Endorsement)	Credit	Grade	Completion Date	Nature of Credit*
<u>Highly Recommended for Elementary Teachers:</u>				
TEAL 6215 Energy in STEM Education* (3)				
TEAL 6225 Matter in STEM Education* (3)				
TEAL 6245 Force in STEM Education* (3)				
TEAL 6525 Data Analysis & Problem Solving* (3)				
<u>Recommended for Secondary Teacher:</u>				
ASTE 6440 Technology and Society: Linking CTE with STEM (3)				
GEO 5680/6680 Paleoclimatology (3)				
BIOL 5250 Evolutionary Biology (3)				
Total Elective Credits				
<b>TOTAL CREDIT HOURS REQUIRED IN M.S. PLAN B PROGRAM (36)</b>				

\*Nature of Credit Code: If USU credit, leave blank. If Transfer credit, insert T (To be approved by graduate advisor - Normally 6, but up to 12 credits with prior approval).

To apply for the Elementary STEM Endorsement, teachers must complete and submit the application located on the Utah State Board of Education website. For details see: <https://www.schools.utah.gov/file/07cec850-4ae3-4fea-98bc-d1f8fda7639b>